

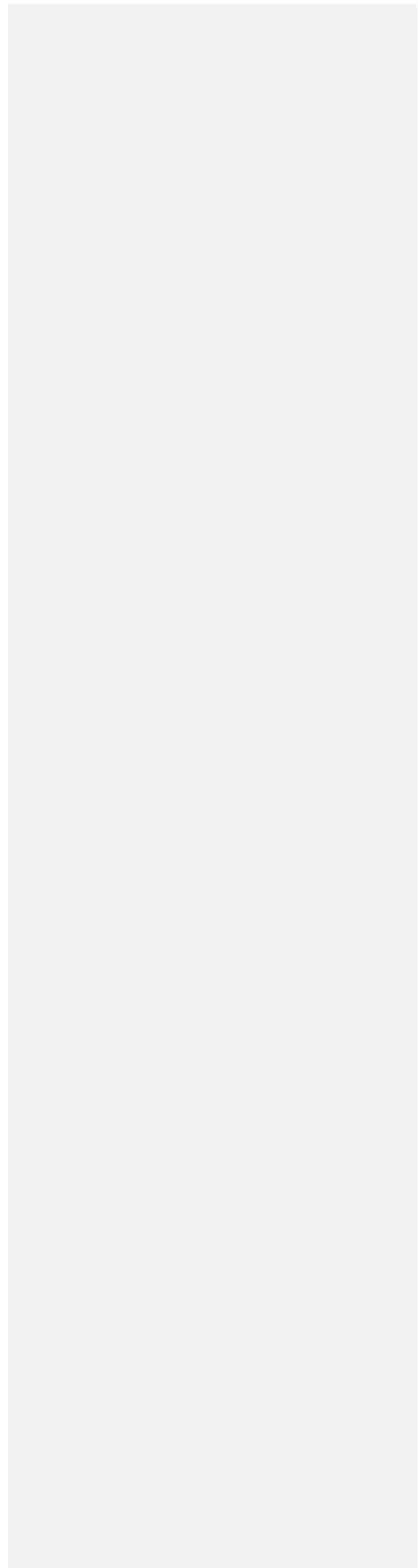
**Background Review Document of Existing Methods for Eye  
Irritation Testing:**

**Silicon Microphysiometer and Cytosensor Microphysiometer**

**Contract No. CCR.IHCP.C431305.X0**

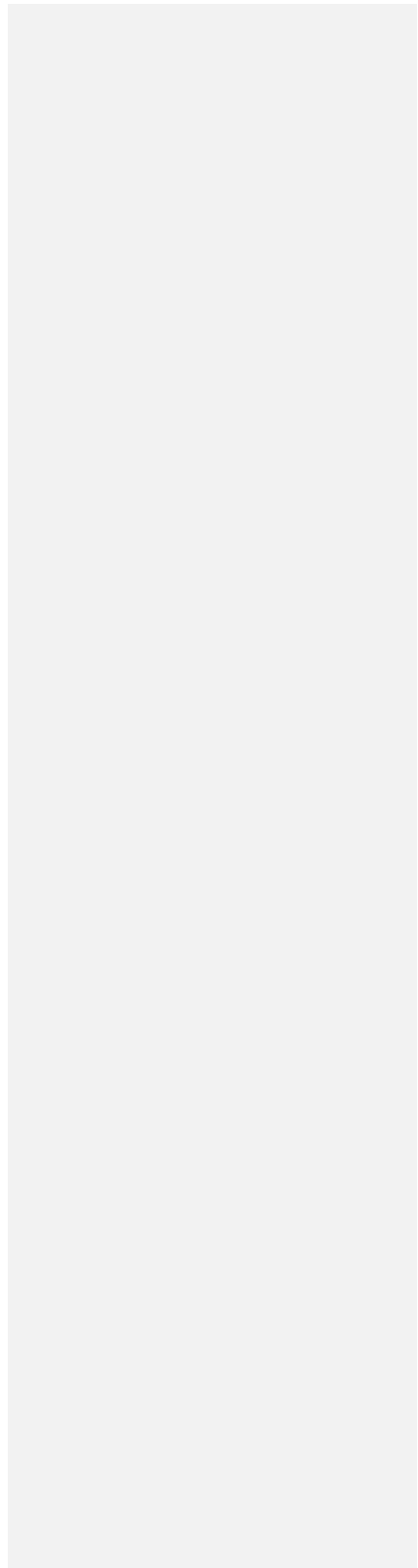
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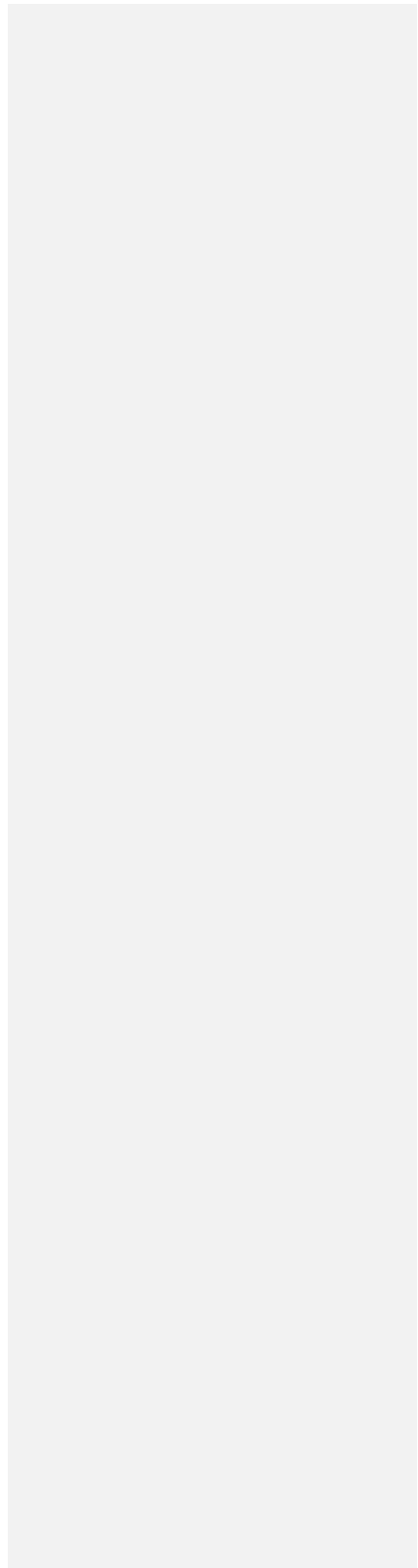




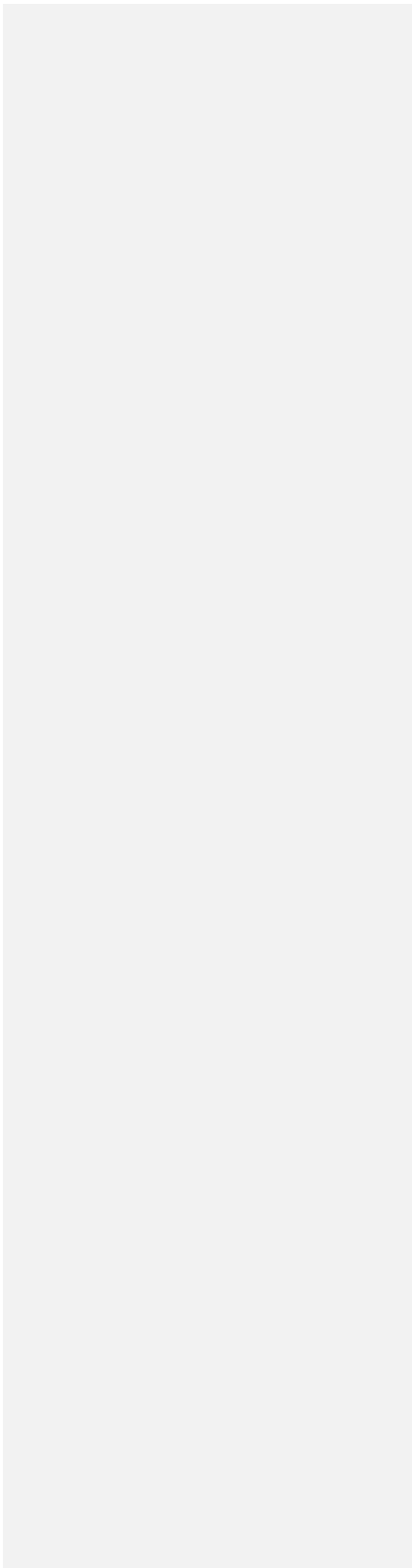
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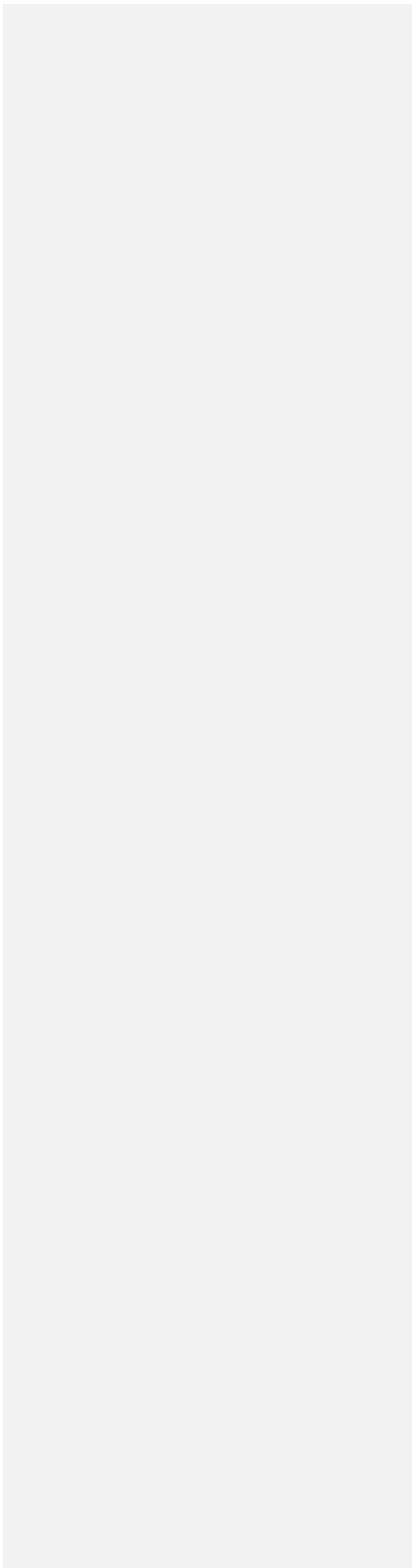
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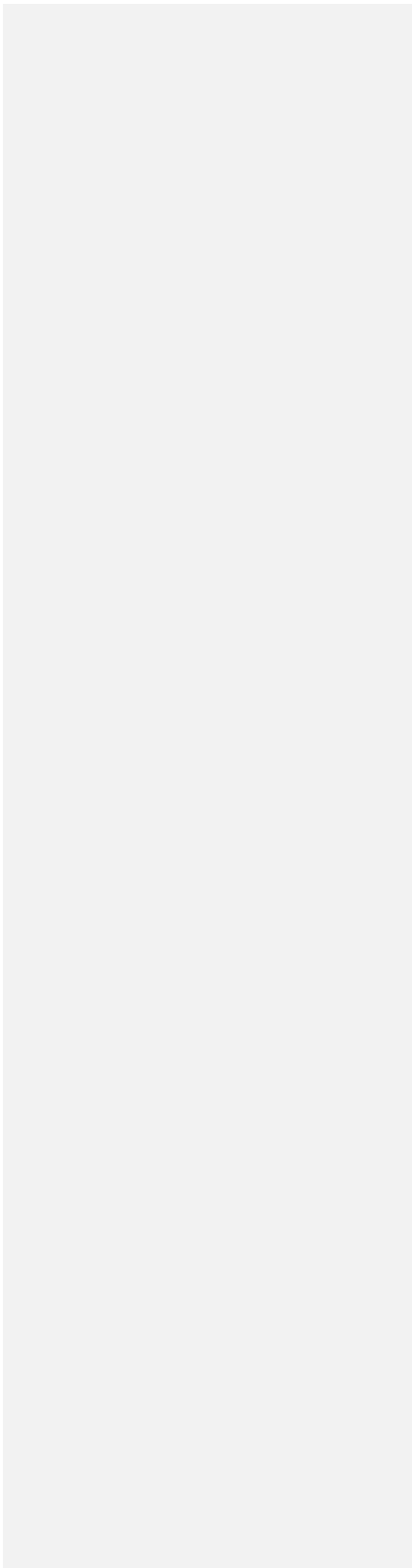
**ANNEX A  
(Protocols)**



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**Current Protocol from Company # 3**





The L929 cells obtained from ATCC, Manassass, VA, will be used in the study. An isolated population of L929 cells will be exposed to increasingly concentrated doses of a test article starting at the lowest concentration. The concentration of test article that causes a 50% decrease in the acidification rate (MRD<sub>50</sub>) will be determined.

#### 7.0 EQUIPMENT : CYTOSENSOR MICROPHYSIOMETER

The Cytosensor Microphysiometer manufactured by Company # 6, measures the extracellular acidification rate of cell cultures. The Cytosensor Microphysiometer consists of a variety of components which include: 1) two Cytosensor Microphysiometer units which include eight built-in peristaltic pumps for each channel; 2) a computer which runs the Cytosensor Microphysiometer and collects the data; 3) a printer; and 4) sensor chambers. Various adherent cell types can be seeded in the capsule cup. Each cell culture-containing cell capsule (capsule cup and spacer assembly) is loaded into the sensor chamber. The capsule insert will not be included in the assembly. The bottom of the sensor chamber is made of the silicon sensor chip. This chip is capable of detecting very small changes in pH. Low-buffered medium is perfused across the cells in a stop/flow manner. When the flow is stopped, the change in pH due to acidic metabolites (e.g., lactate and CO<sub>2</sub>) build-up is detected by the silicon sensor. The acidification of the medium occurs at a reproducible rate in the presence of a normal, undamaged cell population. Cells which have received a toxic insult will produce an altered acidification rate.

#### 8.0 EXPERIMENTAL DESIGN AND METHODOLOGY

The experimental design of this study consists of a solubility or miscibility test to confirm the solubility/workability of the test article in Low-Buffered DMEM (unless otherwise specified by the Sponsor or the Study Director), the determination of the pH of the neat test article if possible, the determination of the pH at the highest concentration of test article in the medium if possible, a dose range finding assay and at least two definitive assay trials. At the Study Director's discretion, additional definitive assay trials may be performed. Activity in the Cytosensor Microphysiometer assay is evaluated on the basis of reduction of the acidification rate of the individual cell population after the exposure to and subsequent washout of a series of test article concentrations. The concentration of test article which causes a 50% reduction in the acidification rate is calculated and termed the MRD<sub>50</sub> (Metabolic Rate Decrement 50%). The MRD<sub>50</sub> will be expressed in mg/mL.

The methods for conducting the Cytosensor Microphysiometer assay are modifications of procedures described in the Operator's Manual supplied by Company # 6. Additional background information is given by Parce et al. (1989).

#### 8.1 Media and Reagents

- 8.1.1 Growth Medium: Dulbecco's Modified Eagle's Medium with 1.0 mM sodium pyruvate (DMEM) containing 10% Fetal Bovine Serum and 2.0 mM L-glutamine (Complete DMEM).



- 8.1.2 Seeding Medium: DMEM containing 1% Fetal Bovine Serum, 50 µg/mL gentamicin, 2.0 mM L-glutamine (Diluted DMEM).
- 8.1.3 Low-Buffered Medium: Serum-free, Sodium Bicarbonate-free, DMEM containing 50 µg/mL gentamicin, 2.0 mM L-glutamine, and additional NaCl for consistent osmolarity (Low-Buffered DMEM).
- 8.1.4 Ca<sup>++</sup>Mg<sup>++</sup>-Free Phosphate Buffered Saline (PBS)
- 8.1.5 0.05% Trypsin in Ca<sup>++</sup>Mg<sup>++</sup>-Free- Hanks' Balanced Salts Solution
- 8.1.6 Positive control - SLS 10% in water (stock)

## 8.2 Preparation and Delivery of Test Article

The test article will be dissolved in Low-Buffered DMEM. Other solvent systems will be used only after consultation with the Sponsor but should generally be avoided. If extraction of the test article is required, the extraction procedure will be determined in consultation with the Sponsor. It is essential that the test material be in a single phase solution/suspension in the highest dose used to prepare the subsequent dilutions (see section 8.7).

## 8.3 Route of Administration

The test article dosing solutions will be administered directly to the cells. Cells will be exposed to each concentration of test article for approximately 810 sec, after which time the test article is rinsed out of the sensor chamber with fresh medium. The acidification rate is immediately measured after washout of the sample. Dosing is generally conducted by testing lower concentrations first and gradually increasing the dose (the same cell chamber is used for each dose) until the MRD<sub>50</sub> point has been surpassed or until the highest concentration has been dosed.

## 8.4 pH Determination

The pH of the neat liquid test article (and/or dosing solution as appropriate) will be determined, if possible. The pH will be determined using pH paper (for example, with a pH range of 0 – 14 to estimate, and/or a pH range of 5 – 10 to determine a more precise value). The typical pH increments on the pH paper used to report the pH are approximately 0.3 to 0.5 pH units. The maximum increment on the pH paper is 1.0 pH units.

## 8.5 Controls

The baseline acidification rate will serve as the internal control for each cell culture. For each sensor chamber used, baseline rates will fall between 50 and

200 microvolts/sec after a stabilization period of approximately 1 hour. The cell capsule in any chamber which fails to achieve these ranges will be replaced, or the channel will not be used in the assay, unless the Study Director determines the chamber to be acceptable.

Each assay will include a concurrent solvent control (when a solvent other than Low-Buffered DMEM is used) and a positive control. The positive control will be tested like a test article except that the dose range will be set based on historical data.

At the beginning of each assay, at least four to five stable rates are taken as the baseline rate. For each sensor chamber, these baseline data points should vary from their mean by no more than 10%, and will be determined just prior to introduction of the first sample dilutions. If the baseline data contain one out of five outlying points that can be explained (e.g., caused by a bubble), it is permissible to delete that data point and use only four for calculations.

#### 8.6 Cell Maintenance and Preparation of the Capsule Cups

Stock cultures of L929 cells will be maintained and passaged in Growth Medium and incubated at  $37 \pm 1^\circ\text{C}$  and  $5 \pm 1\%$   $\text{CO}_2$  in air. L929 cells will be seeded onto capsule cups at approximately  $6.0 \times 10^5$  cells per capsule cup in Seeding Medium as described below.

Flasks of L929 cells to be passaged or seeded are selected at or near confluency. The size of flasks used will depend on the number of cells needed. The Growth Medium is decanted and the cell sheet washed twice with approximately 10 mL of PBS for each  $75\text{cm}^2$  of growth surface. The cells are trypsinized with approximately 3 mL of trypsin (for each  $75\text{cm}^2$  of growth surface) for 15 to 30 seconds. The trypsin solution is aspirated and the cells are incubated at room temperature for approximately 2 to 5 minutes, until the cells begin to round. The cells are dislodged by tapping the flask and approximately 5mL of Seeding Medium are for each  $75\text{cm}^2$  of growth surface. The cells are triturated using a pipet in order to break up clumps and are transferred by pipet to a conical centrifuge tube. If more than one flask is used, the contents of each are pooled. Cell counts are performed as required. The L929 cells will be seeded with approximately  $6.0 \times 10^5$  cells per each capsule cup (0.5 mL of a  $1.2 \times 10^6$  cell suspension) with 1.5 mL of Seeding Medium added to each outside well. The plate will be incubated at  $37 \pm 1^\circ\text{C}$  and  $5 \pm 1\%$   $\text{CO}_2$  in air for 16 to 32 hours. Prior to the start of the assay, the medium in capsule cups will be switched to Low-Buffered DMEM and a spacer will be added to each capsule cup and gently tapped down to the bottom. The cell capsules will be placed into the sensor chambers and exposed to Low-Buffered DMEM at  $37 \pm 1^\circ\text{C}$ .

For routine passaging, the stock cultures are trypsinized as described above, but are dislodged and resuspended using warm (approximately  $37^\circ\text{C}$ ) Growth

Medium, seeded into a culture flask(s), and returned to the humidified incubator maintained at  $37 \pm 1^\circ\text{C}$  and  $5 \pm 1\%$   $\text{CO}_2$  in air.

#### 8.7 Dose Range Finding Assay

A dose range finding assay will be performed to establish an appropriate test article dose range for the definitive Cytosensor Microphysiometer assay. Dosing solutions will be prepared by serial three-fold dilutions (producing the same concentrations suggested in the following table) in sterile, Low-Buffered DMEM that has been allowed to equilibrate to room temperature.

**IMPORTANT:** Do not attempt to use preparations that separate into more than one phase in the Cytosensor. Similarly, do not attempt to use such preparations to make dilutions. At the discretion of the Study Director, a suspension that maintains a single phase may be assayed and used to prepare further dilutions.

If the sample does not go into a single phase with the medium at 10.0 mg/mL (maintaining a ratio of 100 mg/10 mL), prepare dilutions 2 or 3 as required. If a single phase test article/medium mixture is not achieved, the Study Director and Sponsor are to be consulted.

DILUTION #	CONCENTRATION
1	10 mg/mL
2	3.33 mg/mL
3	1.11 mg/mL
4	0.370 mg/mL
5	0.123 mg/mL
6	0.0412 mg/mL
7	0.0137 mg/mL

The test article will be evaluated by exposure to L929 cells contained in sensor chambers. After the baseline data points have been taken, the exposure cycle will begin with the lowest test article concentration. From these baseline data points, the spreadsheet will compute the mean baseline value used in the MRD<sub>50</sub> calculation. Each exposure cycle will take 20 minutes.

The maximum solvent concentration (other than Low-Buffered DMEM) will be 10% unless otherwise specified by the Sponsor or Study Director.

There will be three phases in the exposure cycle, with the following parameters selected within the Cytosensor Microphysiometer software (Cytosoft): First, a test article concentration will be introduced into the sensor chamber for 13 minutes and 30 seconds. The nominal rate of flow will be 100 µL per minute for the first minute, and 20 µL per minute for the next 12 minutes and 30 seconds. The second phase will be the wash-out phase which will be six minutes at a nominal rate of 100 µL per minute. The test article will be washed out of the sensor chamber during this phase. Finally, the third phase will be the measurement of the acidification rate. For 25 seconds, there will be no flow and the rate of pH change will be measured.

The exposure cycle will repeat with increasing test article concentrations until either the highest test article concentration is reached or until the MRD<sub>50</sub> value has been surpassed. Each test article concentration will be tested on a single set of cells. Positive control materials and solvent controls (for solvents other than Low-Buffered DMEM) will be tested in the same fashion. If possible, an MRD<sub>50</sub> value will be calculated from the dose range finding assay.

The test article doses for the definitive assay will be chosen so that generally seven doses (spaced as three-fold dilutions) will be available for the determination of the MRD<sub>50</sub>. Generally, three concentrations will be chosen to result in expected survivals lower than 50%, one concentration will be chosen to result in an expected survival of approximately 50%, and three or more concentrations will be chosen to result in expected survivals greater than 50%. If a test article fails to cause 50% toxicity in the dose range finding Cytosensor Microphysiometer assay, the maximum dose will generally be 270 mg/mL, or less based on its solubility/workability.

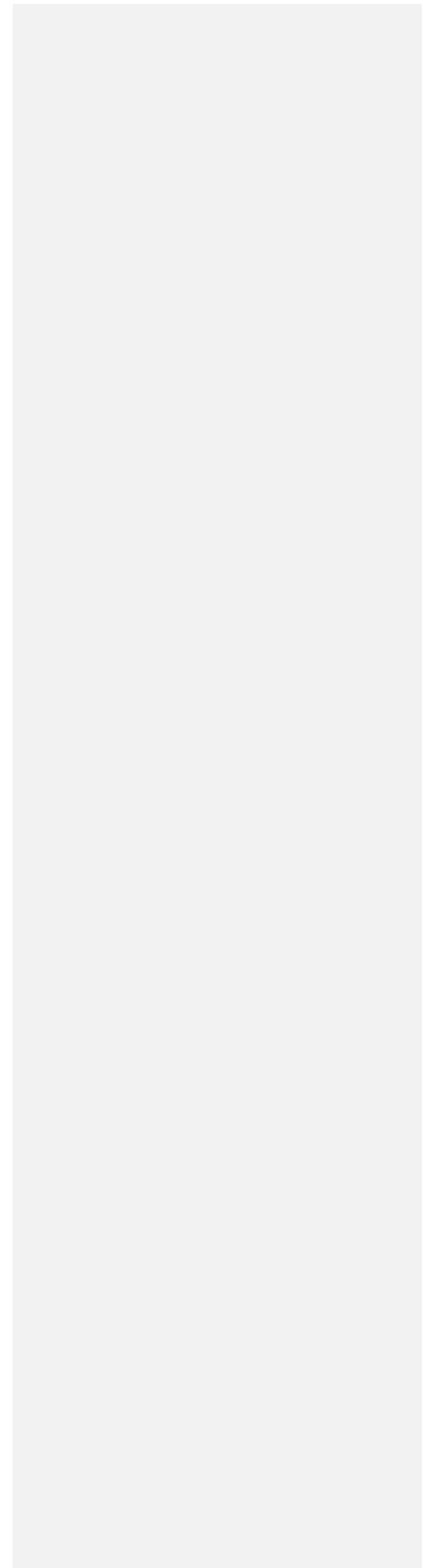
#### 8.8 Definitive Assay

The definitive assay will be performed in the same manner as the dose range finding assay, with the exception that if the MRD<sub>50</sub> value from the dose range finding assay is > 10 mg/mL, higher doses of test article will be prepared and tested in the definitive assay. At least seven doses, spaced at three-fold dilution intervals, up to a maximum of 270 mg/mL will be prepared. The determination of the final MRD<sub>50</sub> will be based upon the results of at least two definitive assays and will generally also include the results of the dose range finding assay, if an





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**COLIPA Protocol**

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Study Number:

**COLIPA VALIDATION STUDY OF THE  
CYTOSENSOR MICROPHYSIOMETER BIOASSAY USING L929 CELLS**

**1.0 PURPOSE**

The purpose of this study is to compare the ocular toxicity of the test material as predicted using the Cytosensor Microphysiometer method with historical rabbit Draize eye test data. The Cytosensor Microphysiometer method evaluates the potential ocular toxicity by measuring the test material induced reduction in the metabolic rate in treated cultures of L929 cells. Change in metabolic rate are measured indirectly as a function of changes in extracellular acidification rate. The dose which induces a 50% decrease in metabolic rate is the end point of the assay.

**2.0 SPONSOR**

2.1 Name:

2.2 Address:

2.3 Representative:

2.4 Sponsor Project

**3.0 IDENTIFICATION OF TEST AND CONTROL SUBSTANCES**

3.1 Test Articles: Test articles will be identified in an attachment(s)

3.2 Controls: Positive: sodium lauryl sulfate (SLS) (10% stock in water)

3.3 Determination of Strength, Purity, etc.

The Sponsor will be directly responsible for determination and documentation of the analytical purity and composition of the test article. The testing laboratory will not assess the strength of the dosing solutions.

**4.0 TESTING FACILITY AND KEY PERSONNEL**

4.1 Name: Microbiological Associates, Inc.

4.2 Address: 9900 Blackwell Road

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Rockville, Maryland 20850

4.3 Study Director: Dr. John W. Harbell

5.0 TEST SCHEDULE (To be determined by the COLIPA Management Committee)

5.1 Proposed Experimental Initiation Date: 04/06/94

5.2 Proposed Experimental Completion Date: 05/13/94

5.3 Proposed Report Date: 05/27/94

6.0 TEST SYSTEM

The Cytosensor Microphysiometer ( $\mu\phi$ ) manufactured by Molecular Devices Corporation, Menlo Park, CA., measures the acidification rate of cell populations. The  $\mu\phi$  consists of a variety of components which include 1) two Cytosensor Microphysiometer units which include 8 built-in peristaltic pumps for each channel 2) a computer which runs the  $\mu\phi$  and collects the data and a printer, and 3) cell chambers. Various adherent cell types can be seeded in the capsule cup. Each cell culture containing cell capsule (capsule cup, and spacer) is loaded into a sensor chamber. The capsule insert will not be included in the assembly. The bottom of the sensor chamber is made of the silicon sensor chip. This chip is capable of detecting very small changes in pH. Low-buffered medium (1-2 mM  $\text{PO}_4$  without bicarbonate) is perfused across the cells in a stop/flow manner. When the flow is stopped, the change in pH due to acidic metabolites (e.g. lactate and  $\text{CO}_2$ ) build up is detected by the silicon sensor. The acidification of the medium occurs at a reproducible rate in the presence of a normal, undamaged cell population. Cells which have received a toxic insult will produce an altered (generally decreased) acidification rate.

7.0 EXPERIMENTAL DESIGN AND METHODOLOGY

The experimental design of this study consists of several phases. A solubility or miscibility test is first performed to confirm the solubility of the test material in the assay medium at the highest dose tested. The pH of the neat test article (if possible) and the pH of the highest concentration of test article in the media are determined. A dose range finding assay and at least three definitive assays are performed. At the Study Director's discretion additional trials may be run. Activity in the  $\mu\phi$  assay is evaluated on the basis of reduction of the acidification rate of the individual cell population after the exposure to and subsequent washout of a series of test article concentrations. The concentration of test article which causes a 50% reduction in the acidification rate is calculated and termed the  $\text{MRD}_{50}$ . The  $\text{MRD}_{50}$  is calculated in ug/ml. The  $\log_{10}$  of the  $\text{MRD}_{50}$  in  $\mu\text{g/ml}$  will be reported to BIBRA.

The methods for conducting the  $\mu\phi$  assay are modifications of procedures

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described in the Operator's Manual for the  $\mu\phi$  supplied by the Molecular Devices Corporation. Additional background information is given by Parce et al. (1989).

#### 7.1 Media and Reagents

7.1.1 Growth Medium: Dulbecco's modified Eagle's medium (DMEM) (1 mg/ml glucose) complete with 10% Fetal Bovine Serum, 2.0 mM L-glutamine, and 1.0 mM sodium pyruvate.

7.1.2 Assay Medium: DMEM complete with 1% Fetal Bovine Serum, 5.0  $\mu\text{g/ml}$  gentamicin, 2.0 mM L-glutamine, and 1.0 mM sodium pyruvate.

7.1.3 Treatment Medium: Serum-free, Sodium Bicarbonate-free, DMEM with 5.0 $\mu\text{g/ml}$  gentamicin, 2.0 mM L-glutamine, and additional NaCl for consistent osmolarity (MDMEM). 11.1 ml of 4 M NaCl is required per liter.

7.1.4 Positive control - SLS 10% in water (stock)

#### 7.2 Preparation and Delivery of Test Article

The test article will be dissolved in MDMEM. It is essential that the test material be in a single phase solution in the highest dose used to prepare the subsequent dilutions.

The stability of the test article under the actual experimental conditions will not be determined by the testing laboratory.

#### 7.3 Route of Administration

The test article will be administered directly to the cells using the normal  $\mu\phi$  procedures. Cells will be exposed to each concentration of test article for approximately 810 sec after which time the test article is rinsed out of the sensor chamber. The acidification rate is immediately measured after washout of the sample. Dosing is conducted by testing lower concentrations first and gradually increasing the dose (the same cell chamber is used for each dose) until the MRD<sub>50</sub> point has been surpassed or until the highest concentration has been dosed.

#### 7.4 Controls

The baseline acidification rate will serve as the internal negative control for each cell culture. Baseline rates will fall between 50 and 150 microvolts/sec after a stabilization period of at least 15 minutes. Replace the cell-containing insert in a chamber which fails to achieve these ranges.

When the 8 channel Cytosensor is used, a positive control assay will be performed with each definitive trial of the assay. When the 4 channel machine is used, a concurrent positive control trial will be performed with at least one of the definitive trials for each test material.

#### 7.5 Growth of Cells

L929 cells will be grown on capsule cups using Assay Medium. L929 cells will be seeded at approximately  $6.0 \times 10^5$  cells per each capsule cup and incubated at  $37 \pm 1^\circ\text{C}$  and  $5 \pm 1\%$   $\text{CO}_2$  in air overnight. Prior to the start of the assay, the medium in capsule cups will be switched to Treatment Medium and cell capsules will be placed into the  $\mu\phi$  sensor chambers and exposed to MDMEM at  $37 \pm 1^\circ\text{C}$ .

#### 7.6 Dose-Range Finding Assay

A dose range finding  $\mu\phi$  assay will be performed to establish an appropriate test article dose range for the definitive  $\mu\phi$  assay. Prepare dilutions by serial three-fold dilution, as below, in sterile, low-buffered medium that has been left to equilibrate to room temperature.

**IMPORTANT:** Do not attempt to use in the Cytosensor, preparations that separate into more than one phase. Similarly, do not attempt to use such preparations to make dilutions.

If the sample does not go into solution (single phase) with the medium at 100.0 mg/ml (1.000 g/10 ml), leave the tube in a rack and prepare Dilution 8 by making up 0.333 g to 10 ml. If complete solubility is still not achieved, again leave the tube in a rack and prepare Dilution 7 by making up 0.111 g to 10 ml. If you still do not achieve complete solubility, declare the test sample as "Unsuitable for testing by the Cytosensor using standard techniques."

20 4

DILUTION #	CONCENTRATION	DILUTION
9	100 mg/ml	1.000g diluted to 10 ml (use weight not vol even if it is a liquid)
8	33.3 mg/ml	3 ml of Dilution 9 plus 6 ml medium
7	11.1 mg/ml	3 ml of Dilution 8 plus 6 ml medium
6	3.70 mg/ml	3 ml of Dilution 7 plus 6 ml medium
5	1.23 mg/ml	3 ml of Dilution 6 plus 6 ml medium
4	0.411 mg/ml	3 ml of Dilution 5 plus 6 ml medium
3	0.137 mg/ml	3 ml of Dilution 4 plus 6 ml medium
2	0.0457 mg/ml	3 ml of Dilution 3 plus 6 ml medium
1	0.0152 mg/ml	3 ml of Dilution 2 plus 6 ml medium

The test article will be tested by exposure to L929 cells contained in sensor chambers. After at least five stable rates are taken as the base rate, the exposure cycle will begin with the lowest test article concentration. Five baseline data points that vary from their mean by no more than about 10%, will be determined just prior to introduction of the first sample dilutions. If the baseline data contains one out of five points that can be explained by raw data as an outlier caused by a bubble, it is permissible to delete that data point and use only four for calculations. From these baseline data points, the Excel spreadsheet will compute the mean baseline value used in the MRD50 calculation. Each exposure cycle will take 20 minutes.

There will be 3 phases in the exposure cycle. First, a test article concentration will be introduced into the sensor chamber for 13 minutes and 30 seconds. The rate of flow will be 100  $\mu$ l per minute for the first minute and 20  $\mu$ l per minute for next 12 minutes and 30 seconds. Second phase will be the wash-out phase which will be 6 minutes at 100  $\mu$ l per minute. The test article will be washed out of the sensor chamber during this phase. Finally, the third phase will be the measurement of the acidification rate. For 25 seconds, there will be no flow and the rate of pH change will be measured.

The exposure cycle will repeat with increasing test article concentrations until either the highest test article concentration is reached or until the MRD<sub>50</sub> value has been surpassed. Each test article concentration will be tested on a single set of cells.

#### 7.7 Definitive Assays

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As with the range-finding experiment, prepare nine test sample dilutions. However, for the definitive experiments, these should be made as a quarter log series that brackets the  $MRD_{50}$ . The range-finding assay  $MRD_{50}$  is used to help set the range midpoint (Dilution 5) as described below. Four dilutions above and four dilutions below the midpoint are also prepared.

Refer to both columns shown below and select the concentration that is closest to the range-found  $MRD_{50}$ . It will be given in terms of  $-Log$  g/ml by the Excel spreadsheet but you may find it easier to interpret in terms of mg/ml. Once you find this value, it becomes the new dilution 5. Count up 4 places in the left hand column. If the concentration is 100, 10, 1, or 0.1 mg/ml use this to start the dilution series. If not, go up to the next such concentration and prepare a stock solution in medium at that concentration for your dilution series.

CONCENTRATION (mg/ml)	-LOG g/ml
316.2	0.50
177.8	0.75
100.0	1.00
56.2	1.25
31.6	1.50
17.8	1.75
10.0	2.00
5.62	2.25
3.16	2.50
1.78	2.75
1.00	3.00
0.562	3.25
0.316	3.50
0.178	3.75
0.100	4.00
0.056	4.25
0.032	4.50

To make a quarter log dilutions, prepare dilution tubes containing 5.46 ml of MDMEM medium and use transfer volumes of 7.00 ml. If the range-finding assay  $MRD_{50}$  is greater than about 14 mg/ml, it may be necessary to include concentrations higher than those used in the range-finding study. The maximum dose will be 316.2 mg/ml.

The determination of the  $MRD_{50}$  will be based upon the results of three definitive assays.

For the positive control, make dilutions of the 10% SLS stock solution using MDMEM medium and consider that the 10% solution is the "neat" test material. Prepare the initial dilution on a weight to volume basis. A dose range finding assay should be performed once on the positive control to set the appropriate ranges for the subsequent definitive trials.

#### 7.8 Data Analysis

The acidification rates which occurred after exposure to each test article concentration are calculated by the  $\mu\phi$  software (Cytosoft) and compared to the mean acidification rate (base acidification rate) of the same cells prior to exposure to a test material. The percent of control acidification rate will be determined by comparing the dose response acidification rate to the base acidification rate. The dose response curve will be plotted with the percent of control acidification rates on the ordinate and the test article concentration on the abscissa. The concentration of test material which results in a fifty percent reduction in acidification rate is interpolated from the curve and referred to as the  $MRD_{50}$ . These calculations can be performed using the Excel spreadsheet program provided for this study. Note that this program may give  $MRD_{50}$  values in mg/ml.  **$MRD_{50}$  values will be determined in ug/ml and converted to  $\log_{10}(MRD_{50})$  for reporting (see Attachment 2).** Expressing the  $MRD_{50}$  in ug/ml will ensure that almost all  $\log(MRD_{50})$  values will be greater than zero. In cases where the test article is found to be insoluble (see section 7.6), the result "Unsuitable for testing" will be entered into the  $\log(MRD_{50})$  to indicate that the sample was "Unsuitable for testing by the Cytosensor using standard techniques".

#### 7.9 Prediction of the Draize MMAS from the mean Log(MRD<sub>50</sub>)

A predicted MMAS score can be generated for each test article for which a mean log(MRD<sub>50</sub>) can be obtained. The predicted MMAS is calculated using the formula developed by Osborne et al (The Procter & Gamble Company):

$$MMAS = \frac{A}{1 + e^{(B \cdot \log_{10} MRD_{50} - G)}}$$

Where A = 148.0, B = 1.813, and G = -2.329. This three parameter model was prepared from the combined historical data and is an unrestricted model as to the highest possible in vivo MMAS value.

#### 8.0 CRITERIA FOR DETERMINATION OF A VALID TEST

Assay acceptance criteria are normally based on the performance of the positive control. The  $\mu\phi$  assay would be accepted if the positive control MRD<sub>50</sub> fell within 2 standard deviations of the historical range. The acceptable range for SLS will be provided by the lead laboratory. The positive control assay will not be performed with each trial on the 4 channel machine. Therefore, acceptance of those trials, lacking a positive control, will be based on the judgement of the study director.

#### 9.0 REPORT

The report form for the data is included as Attachment 2 of this protocol. Additional copies should be made to submit data on all of the test materials.

#### 10.0 RECORDS AND ARCHIVES

A separate working notebook will be used to record the materials and procedures used to perform this study. Upon completion of the final report, all raw data and reports will be maintained by the Regulatory Affairs Unit of each laboratory.

#### 11.0 REFERENCES

Parce, J.W. et al., Detection of Cell-Affecting Agents with a Silicon Biosensor, Science 246:243-247, 1990.

Cytosensor Microphysiometer System User's Manual

#### 12.0 APPROVAL

\_\_\_\_\_  
STUDY DIRECTOR

\_\_\_\_\_  
DATE

Protocol No. SPAT200014 01/17/95

8 of 8





PROTOCOL AMENDMENT

DATE: 3 July 1995  
SPONSOR: The Procter & Gamble Company  
SPONSOR'S TEST ARTICLE  
DESIGNATION: COLIPA Test Articles (A94BR08 to A94BR62)  
MA STUDY NO: A94BR08-62.200014  
PROTOCOL NO: SPAT200014  
PROTOCOL TITLE: COLIPA VALIDATION STUDY OF THE CYTOSENSOR  
MICROPHYSIOMETER BIOASSAY USING I.929 CELLS

AMENDMENT(S):

- 1) Location: Page 8, Section 7.9, Prediction of the Draize MMAS from the mean  $\log(MRD_{50})$

Amendment: Replace the section with:

"A predicted MMAS score can be generated for each test article for which a mean  $\log(MRD_{50})$  can be obtained. The predicted MMAS is calculated using the formula developed by Osborne et al (The Procter & Gamble Company):

$$MMAS = \frac{A}{1 + e^{B(\log(MRD_{50}) - G)}}$$

Where A = 148.0, B = 1.813, and G = 2.329. This three parameter model was prepared from the combined historical data and is an unrestricted model as to the highest possible in vivo MMAS value."

Reason: Correct two typographical errors. The first typographical error is in the formula where the "(" should be placed to the left of "log" rather than to the left of "B". The second typographical error is in the constant G. Constant G should be positive.

APPROVAL:

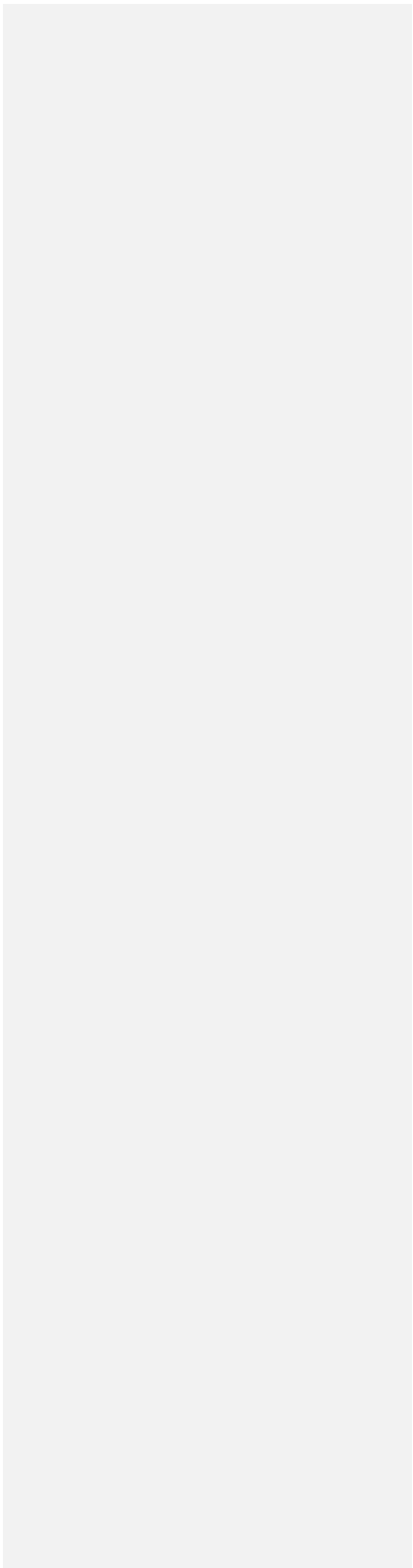
  
\_\_\_\_\_  
AUTHORIZED REPRESENTATIVE      4 July 1995  
DATE

  
\_\_\_\_\_  
STUDY DIRECTOR      3 July 1995  
DATE

 MICROBIOLOGICAL  
ASSOCIATES, INC.

TOTL P.02

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## **INVITOX Protocol (IP-97)**

## THE SILICON MICROPHYSIOMETER TOXICITY TEST – COMPANY # 4

The effects of a test compound on intracellular metabolism, as reflected by a decrease in the extracellular acidification rate, can be used as a measure of eye irritancy potential. The potential of the cells to recover from the exposure may also be determined.

---

### Contact

Dr John W Harbell  
Microbiological Associates Inc.  
9900 Blackwell Road  
Rockville MD 20850

### NOTE

***The protocol presents the standard operation procedure used in the Home Office UK/EEC Validation Study for Alternatives to the Draize Test. It should be noted that this protocol might need to be modified in light of experience gained in the study.***

Commento [c4]:

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### Critical Assessment

A number of *in vitro* test systems that have been proposed as alternatives to the Draize rabbit eye irritation test rely on cell death as an endpoint. However, reversible cell changes may provide more appropriate endpoints for the assessment of ocular irritation potential. Good correlations have been reported between results obtained from the silicon microphysiometer and *in vivo* eye irritancy data. The methods is non-invasive, and thus allows the determination of recovery of the cells from the toxic insult.

---

### Test Status

The Silicon Microphysiometer, manufactured by Company # 6, measures alterations in the acidification rate of cells. The microphysiometer consists of a variety of components which include (1) peristaltic pumps for fluid delivery, (2) a computer which runs the microphysiometer and collects the data, (3) cell chambers, and (4) a waterbath which maintains the cell chambers at  $37 \pm 1^\circ\text{C}$ . Various adherent cell types can be grown on an Indium-Tin Oxide coated glass cover slip which functions as an electrode. This cover slip is loaded into the cell chamber and forms one side of a 100- $\mu\text{m}$  deep cell chamber. The other three sides of the cell chamber are composed of an etched silicon chip. This chip is capable of detecting very small changes in pH. Low-buffered medium (1-2 mM phosphate) is perfused across the cells in a stop/flow manner. When the flow is stopped, acidic metabolites (e.g. lactate and  $\text{CO}_2$ ) build up and are detected by the silicon chip. Such acidification occurs at a reproducible rate in normal, undamaged cells. Cells which have received a toxic insult will exhibit an altered (generally decreased) acidification rate.

---

### Procedure Details

The experimental design consists of a solubility of miscibility test to select or confirm a suitable solvent for the test article, the determination of the pH of the neat (liquid) test article, the determination of the pH at the highest concentration of test article in the culture media, a dose range finding bioassay, a definitive and a confirmatory bioassay. If required, additional trials may be run. Activity in the microphysiometer assay is evaluated on the basis of reduction of the acidification rate of a single cell set after the exposure to and subsequent washout of a series of test article concentrations. That concentration of test article which causes a 50% reduction in the acidification rate is calculated and termed the  $\text{MRD}_{50}$ . The methods for conducting the acidification rate depression assay as measured in the microphysiometer are described in the Operator's Manual for the microphysiometer supplied by

Company # 6. Additional background information is given by Parce *et al.* (1989).

#### *Media and Reagents*

##### *Growth medium*

Dulbecco's modified Eagle's medium (DMEM) complete with 10% foetal bovine serum and antibiotics. (Stock cultures utilize growth medium without antibiotics). L-glutamine 1% (200 mM) and sodium pyruvate 1% (200 mM).

##### *Starvation medium*

Serum-free DMEM with antibiotics, L-glutamine and pyruvate.

##### *Treatment medium*

Serum-free and sodium bicarbonate-free DMEM with antibiotics and additional NaCl for consistent L-glutamine and pyruvate osmolarity (MDMEM)

##### *Preparation and delivery of test article*

The test article is dissolved in MDMEM, physiological saline solution, ethanol (CAS #64-17-5), dimethylsulphoxide (DMSO, CAS #67-68-5), acetone (CAS #67-64-1) or other appropriate solvent. If MDMEM is used as a solvent, no special procedures other than constructing the appropriate dilutions are required. If a solvent other than MDMEM is used, and solubility in the desired solvent permits, a 500 mg/ml concentrate of test article in that solvent will be prepared. The final concentration of solvent in the assay should not normally exceed 10%.

##### *Route of administration*

The test article is administered directly to the cells using the normal microphysiometer procedures. Cells are exposed to each concentration of test article for approximately 500 seconds after which time the test article is rinsed out of the cell chamber. The acidification rate is immediately measured after washout of the sample. Dosing is generally conducted by testing lower concentrations first and gradually increasing the dose (the same cell chamber is used for each dose) until the MRD<sub>50</sub> point has been surpassed or until the highest concentration has been dosed.

##### *Controls*

Each assay should include a solvent control (when other than MDMEM) and a positive control.

##### *Growth of cells*

L929 cells are grown on indium-tin oxide coated cover slips using growth medium for 2-3 days until they are approximately 90-100% confluent. At that time, the medium is switched to serum-free medium and the cells are serum starved overnight. The cover slips which contain cells are then placed into the microphysiometer flow chambers and exposed to MDMEM at 37 ± 1°C.

##### *Dose selection*

A dose range finding microphysiometer assay is performed to establish an appropriate test article dose range for the definitive microphysiometer assay. Depending on the solubility and other information available for the test article, nine to ten decreasing (approximately one-half log) doses are prepared for use in the dose range finding microphysiometer assay. The highest dose of test article is based on its solubility in MDMEM, DMSO, acetone, ethanol or in another appropriate solvent. The maximum solvent concentration (other than in MDMEM) should normally be 10%.

The test article is tested by exposing it to L929 cells, at approx. 100% confluence, contained in flow chambers. The microphysiometer is programmed to measure the acidification rate of cells before they are exposed to test articles and again after a 500-sec exposure to the article (after the test article has been washed out of the cell chamber). Exposures begin with the lowest test article concentration and continue, with measurement of the acidification rate made after each concentration has been washed out of the cell chamber, until either the highest test concentration is reached or until the MRD<sub>50</sub> value has been surpassed. Each test article concentration is tested on a single set of cells. Positive control materials and solvent controls (other than MDMEM) are tested in the same fashion.

The test article doses for the definitive assays are chosen so that at least five treatments are available for the determination of the MRD<sub>50</sub> (the concentration of the test article which inhibits the acidification rate by 50%). Two concentrations are chosen to result in expected survivals lower than 50%, one concentration is chosen to result in an expected survival of approximately 50% and two or more concentrations are chosen to result in expected survivals greater than 50%. If a test article fails to cause 50% toxicity in the dose range finding microphysiometer assay, the maximum dose used should be 300 mg/ml or less, based on solubility in the preferred solvent, unless otherwise specified. If possible, a MRD<sub>50</sub> is determined from the dose range finding assay.

##### *Microphysiometer assay*

The definitive and confirmatory microphysiometer assays are performed exactly like the dose range finding microphysiometer assay, with the exception that 5-7 concentrations of test article are tested instead of 9-10. The determination of the MRD<sub>50</sub> is based upon the results of the definitive and

confirmatory assays. As an option, the result from the dose range finding assay (or additional definitive trials) may also be incorporated into the calculation of the final MRD<sub>50</sub>.

#### *Data analysis*

The acidification rates which occur after exposure to each test article concentration are calculated by the microphysiometer software and compared to the acidification rate of the cells on the cover slip prior to exposure to any test material. The concentration of test material which results in a 50% reduction in acidification rate is calculated and referred to as the MRD<sub>50</sub>.

#### *Criteria for determination of a valid test*

The microphysiometer assay is accepted if the positive control compounds falls within 2 standard deviations of the historical range.

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### Results

The significance of the MRD<sub>50</sub> is dependent on the class of materials tested and it is necessary to refer to existing information in the literature to determine the significance of the MRD<sub>50</sub> for a given test article. Materials who pH is less than or equal to 2.0, or greater than or equal to 12.0 are automatically considered as potential irritants.

#### *REPORT*

A report of the results of the study should accurately describe all methods used for generation and analysis of the data. A summary should be presented for each treatment group. The report should also include a discussion and interpretation of the results. Any significant deviations from the protocol should appear as part of the final report.

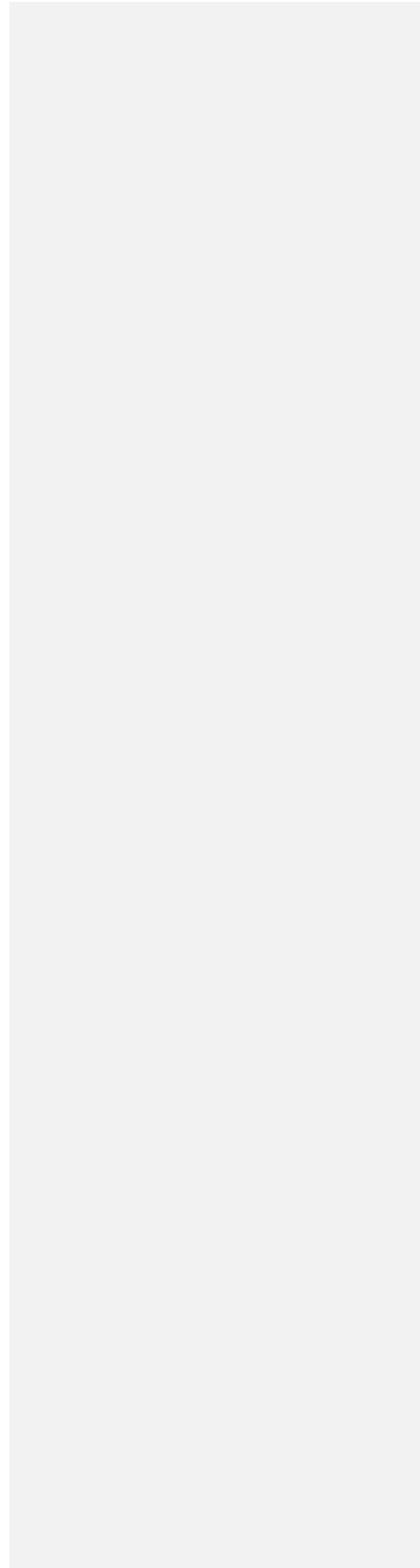
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### References

Parce J.W. *et al.* (1990)  
Detection of cell-affecting agents with a silicon biosensor.  
Science 13: 243-247.

**IP-97 copyright April 1996**

**INVITOX Protocol (IP-102)**





## THE SILICON MICROPHYSIOMETER TOXICITY TEST- COMPANY # 1

The effects of a test compound on intracellular metabolism, as reflected by a decrease in the extracellular acidification rate, can be used as a measure of eye irritancy potential. The potential of the cells to recover from the exposure may also be determined.

---

### Contact

Dr Rosemary Osborne  
The Procter and Gamble Company  
Miami Valley Laboratories  
POB 398707  
Cincinnati  
Ohio 45239-8707, USA  
Tel: +1 (513) 627 1292  
Fax: +1 (513) 627 1167  
NOTE

Commento [c5]: Should we keep this or change it to Company # 1?

***The protocol presents the standard operation procedure used in the Home Office UK/EEC Validation Study for Alternatives to the Draize Test. It should be noted that this protocol might need to be modified in light of experience gained in the study. Additional information added in the course of producing this INVITTOX protocol, e.g. this note, is presented in italics.***

---

### Critical Assessment

A number of *in vitro* test systems that have been proposed as alternatives to the Draize rabbit eye irritation test rely on cell death as an endpoint. However, reversible cell changes may provide more appropriate endpoints for the assessment of ocular irritation potential. Good correlations have been reported between results obtained from the silicon microphysiometer and *in vivo* eye irritancy data. The method is non-invasive, and thus allows the determination of recovery of the cells from the toxic insult.

---

### Basic Procedure

The Cytosensor Microphysiometer System measures the rate of extracellular acidification of populations of living cells maintained in flow chambers. Test samples, prepared as a dilution series, are introduced, in order of increasing concentration, to each of eight sets of cells during the course of an experiment. Between sample introduction, the cells are washed with medium to remove the sample. All rate of acidification measurements are made on washed cells.

The operator introduces manually prepared test sample dilutions to the System by filling injection loops. Instrument control, such as flow rate and valve-switching, as well as data acquisition, analysis and storage, are handled by a computer and software that are part of the System.

After establishing a baseline acidification rate for each set of cells, and measuring the new rates subsequent to each sample addition, the concentration of test material, as w/v% required to reduce the acidification rate to 50%, is computed by interpolation between the rate data points spanning the 50% response level. This value is termed the MRD50 and is the endpoint for the test.

The following describes an experimental protocol in which four samples are tested in duplicate. This may be readily adapted such that, for example, eight samples are tested in each experiment, and results from three identical experiments on three separate days combined for statistical analysis.

---

## References

Cytosensor Microphysiometer System User's Manual (the "Manual").

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## Procedure Details

### *Equipment and software*

1. Sterilized eight chamber Cytosensor System, set up in the injection loop mode – Company # 6
2. (a) Cytosoft and the following Cytosoft protocols for toxicity testing:
  - (i) Tox Maintenance (ii) Routine Tox 003 (4x2) (both supplied by MDC)
  - (b) Excel 4 plus the special MDC Excel spreadsheet for computing MRD50.
3. Cell culture equipment for preparation of cells
4. Pipettors, rack, etc., for preparation of dilutions
5. Balance

### *Materials*

1. At least 8 capsules with L-929 cells grown to approximately 70% confluency in DMEM. To prepare these, load  $5\text{--}6 \times 10^5$  cells about 18 hr prior to use and incubate in complete DMEM with 1% calf serum under standard culture conditions.
2. Tubes, 15 ml, for preparation of dilutions (4 dilutions per test sample).
3. 4 x 5 ml syringes, 30 ml syringes.
4. Disposable beakers.
5. Low buffer DMEM (lb DMEM) prepared as follows: per litre use 1 x 1 L package DMEM powder without bicarbonate. Make up to about 950 ml with tissue culture grade water and add 10 ml 200 mM glutamine, 10 ml penicillin/streptomycin solution, 11.1 ml 4 M NaCl solution. Adjust pH to 7.3-7.4, make up to 1,000 ml and sterilize by filtration. Keep enough for experiment at room temperature overnight prior to day of experiment.
6. Sterilant, water, tubes, etc. for Cytosensor cleanup.
7. Test/reference samples.

### *Procedure*

1. Filling the workstations with medium

Put 8 x 50 ml tubes, each having at least 20 ml of lb DMEM on the Cytosensor and fill the injection loops with lb DMEM, using a 30 ml syringe. Using the "Front Panel" controls, set the flow rate to 90-100% to fill the lines, and then set the flow rate back to idle (5%).

2. Checking out the equipment

Empty Sterilant from the sensor chambers, wash them by repeated filling with, and aspiration of, distilled water, and then add about 2 ml lb DMEM to each chamber. Put them on the Cytosensor. Set flow rate to High (90-100% of max) and clear obvious bubbles. Run Cytosoft default protocol ("New") to see that system sets up and the background rate in the absence of cells settles within 10 minutes to between +5 and -5 microvolts/sec. This gives the opportunity to attend to any equipment problems before starting to use cells.

3. Checking out the cells

Exit "New" protocol and set flow rate to Normal (approx. 50%) using "Front Panel" controls. To at least 8 cell-containing cell capsules in a culture tray containing lb DMEM, add spacers and inserts as described in the Manual. Move the tray to the Cytosensor and use forceps to transfer the completed capsules to the sensor chambers, lifting the gantries and raising the plungers one set at a time. When all the capsules are in place, set the flow rate to High and clear obvious bubbles again.

Start the Tox Maintenance protocol: Flow on, 100  $\mu$ l/min, 300 sec; Flow off 120 sec; Rate 320-415 sec; Cycle 420 sec (7 min).

Make sure that rates are between 40 and 200 microvolts/sec in each chamber after a stabilization period of at least 30 minutes. If not, try replacing with an extra capsule, if available.

The benefit of using the Tox Maintenance protocol is that it copies the washout and reading sections of the Routine Tox protocol (see Section 5), but gives rate points every 7 minutes rather than every 12 minutes.

4. Preparing the test sample dilutions

Start preparing the dilutions immediately after placing cells on the Cytosensor, or arrange for a colleague to prepare them during the setting-up of the system.

Prepare serial three-fold dilutions, as below, in sterile, low-buffered medium that has been left at room

temperature overnight. Use 15 ml graduated centrifuge tubes to prepare dilutions. Assign one of the letters P, Q, R, or S to each of the test samples and label dilution tubes, P9, P8, P7..., Q9, Q8, Q7... etc. Keep the dilutions at room temperature until you use them.

**IMPORTANT**

*Do not attempt to use in the Cytosensor, preparations that separate into more than one phase. Similarly, do not attempt to use such preparations to make dilutions.*

*If the sample does not go into solution (single phase) with the medium at  $3.0 \times 10^{-1}$  g/ml (i.e. 3.0 g/10 ml), leave the tube in a rack and prepare Dilution 8 by making up to 1.0 g to 10 ml. If complete solubility is still not achieved again leave the tube in a rack and prepare Dilution 7 by making up 0.33 g to 10 ml. If you still do not achieve complete solubility, declare the test sample as "Unsuitable for testing by the Cytosensor using standard techniques"*

Dilutions		
9	$3 \times 10^{-1}$ g/ml	= 3.0 g diluted to 10 ml (use weight not vol. even if it is a liquid)
8	$1 \times 10^{-1}$ g/ml	= 3 ml of Dilution 9 plus 6 ml medium (or 1.0 g dil. to 10 ml)
7	$3.33 \times 10^{-2}$ g/ml	= 3 ml of Dilution 8 plus 6 ml medium (or 0.33 g dil. to 10 ml)
6	$1.11 \times 10^{-2}$ g/ml	= 3 ml of Dilution 7 plus 6 ml medium
5	$3.70 \times 10^{-3}$ g/ml	= 3 ml of Dilution 6 plus 6 ml medium
4	$1.23 \times 10^{-3}$ g/ml	= 3 ml of Dilution 5 plus 6 ml medium
3	$4.11 \times 10^{-4}$ g/ml	= 3 ml of Dilution 4 plus 6 ml medium
2	$1.37 \times 10^{-4}$ g/ml	= 3 ml of Dilution 3 plus 6 ml medium
1	$4.57 \times 10^{-5}$ g/ml	= 3 ml of Dilution 2 plus 6 ml medium

5. Starting the Toxicity Testing Protocol and gathering data for the baseline points

When the rates are stable, start the Routine Tox protocol. This can be done before the preparation of dilutions is completed, because the first dilution will only be added after one hour.

The Routine Tox protocol measures rates every 12 mins and there are 5 cycles before introduction of the test samples from the injection loops. The Pump Cycle is as follows (The notes added in brackets refer to events after the baseline measurement has been completed. They do not occur in the first hour.)

Flow on, 100  $\mu$ l/min, 100 sec (Sample introduction by rapid flow)

Flow on, 50  $\mu$ l/sec, 200 sec (Sample concentration maintained by slow flow)

Flow off, 120 sec,

Rate measurement, 620-715 sec,

Total cycle, 720 sec (12 min).

The Pump Schedule dialog box that specifies this, is illustrated below:

To specify the valve changes, "Fluid intervals" in the protocol are as follows:

1. Start, 1:00:00 Duration, 300 sec (Dilution 9)

2. Start, 1:12:00 Duration, 300 sec (Dilution 8)

3. Start, 1:24:00 Duration, 300 sec (Dilution 7)

4-n. As above, with start incrementing by 12 min each time.

If the preparation of dilutions takes longer than anticipated, or if a longer stabilization period is desired, *make sure all 8 valve schedules are displayed*, then hold down the Option key on the computer keyboard and double-click on the first fluid interval (below the first five cycles) to bring up the dialog box. The duration is set to 1:00:00. Change it to 1:12:00 if one more cycle is needed, 1:24:00 for 2 cycles, etc. All the subsequent fluid intervals will shift along but maintain correct registration with the pump cycle.

If there are additional cycles prior to valve switches, the Excel Spreadsheet analysis will ignore early rate data points and just use the 5 points that immediately precede the first valve change.

Fluid intervals are labelled as duplicates, Chambers A+B, C+D, E+F, G+H. Labels used in the protocol are P1, P2, P3....P9; Q1, Q2....Q9; R1, R2....R9; S1, S2....S9, where the letter is a code for the test sample and the number a code for the dilution (1 being the least concentrated). Additional information may be added to the fluid interval label *after* the alphanumeric code, as desired. The title of the file can read "Tox; P=benzalkChl, R=acetone, S=" or shortened forms etc.

Note that baseline and introduction of 9 dilutions takes less than 3 hours, and the system can be left to operate automatically 15 minutes before data collection for last dilution.

6. Loading the first test sample dilutions (the least concentrated) into the Cytosensor

To make it easy to fill the syringes, take 4 small disposable beakers and label them, and 4 syringes, with the code for the test sample they will contain (P,Q,R,S). About 40 minutes after starting the protocol, pour

the least concentrated dilutions (P1, Q1, R1, S1) into the beakers and then fill 4 syringes from the beakers, taking care to avoid the introduction of bubbles. Empty and invert the beakers on separate paper towels to drain. Remove any bubbles that do enter the syringes by pointing them upwards, letting bubbles rise (tapping helps), covering with a clean tissue to prevent splashing, and squirting bubbles out. As soon as 4 good looking baseline points are available (t = 48+ mins), fill injection loops with dilutions in the time period 53-58 mins (the second washout period in the cycle).

7. Loading the rest of the dilutions into the Cytosensor

Repeat step 6 with dilutions 2 through 9 (or fewer if fewer are being tested), used sequentially, one per pump cycle. Reuse the syringes and beakers and fill the loops during the sample washout period in each sequential cycle. Resetting an egg timer to ring at 12-minute intervals is helpful. As the sample period is 5 minutes long, refilling at *exactly* 12 minutes is not required.

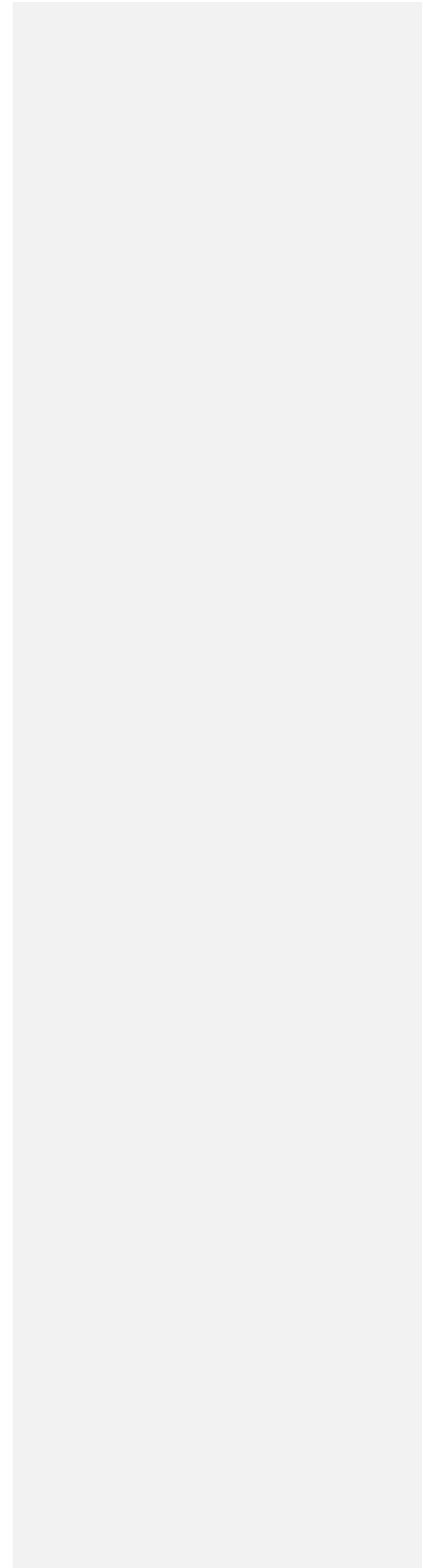
8. Handling the data

Save the data and export rate data to the special MDC Excel Spreadsheet for computation of MRD50.

The "baseline" is the mean of the 5 rate data points immediately prior to the first valve change and is used as the 100% value. The MRD50 is computed by interpolation from a straight line relationship between the two rate data points spanning the 50% response level.

***IP-102 copyright April, 1996***

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**EC/HO Protocol**

**Commento [c6]:** It is not Possible to correct the text inside. There are some company names.

MA Study Number: AD004-AD013.200

## MICROPHYSIOMETER BIOASSAY USING L929 CELLS

### 1.0 PURPOSE

The purpose of this study is to evaluate the potential toxicity of a test article as measured by a reduction in the acidification rate in cultures of L929 cells.

### 2.0 SPONSOR

- 2.1 Name: The University of Nottingham
- 2.2 Address: University Park  
Nottingham, UK NG7 2RD
- 2.3 Representative: Professor Michael Balls
- 2.4 Sponsor Project #:

### 3.0 IDENTIFICATION OF TEST AND CONTROL SUBSTANCES

- 3.1 Test Article:
- 3.2 Controls: Positive: sodium lauryl sulfate (SLS)  
Negative: solvent control (when other than  
low-buffered DMEM)
- 3.3 Determination of Strength, Purity, etc.

The Sponsor will be directly responsible for determination and documentation of the analytical purity and composition of the test article and the stability and strength of the dosing solutions.

### 4.0 TESTING FACILITY AND KEY PERSONNEL

- 4.1 Name: In Vitro Toxicology Division  
Microbiological Associates, Inc.
- 4.2 Address: 9900 Blackwell Road  
Rockville, MD 20850
- 4.3 Study Director: John W. Harbell, Ph.D.

Protocol No. SPAT200

01/07/92

1 of 6

 MICROBIOLOGICAL  
ASSOCIATES, INC.

## 5.0 TEST SCHEDULE

- 5.1 Proposed Experimental Initiation Date: 04/19/93
- 5.2 Proposed Experimental Completion Date: 05/19/93
- 5.3 Proposed Report Date: 05/30/93

## 6.0 TEST SYSTEM

The Silicon Microphysiometer ( $\mu\phi$ ) manufactured by Molecular Devices Corporation, Menlo Park, CA., measures alterations in the acidification rate of cells. The  $\mu\phi$  consists of a variety of components which include 1) peristaltic pumps for fluid delivery, 2) a computer which runs the  $\mu\phi$  and collects the data, 3) cell chambers, and 4) a waterbath which maintains the cell chambers at  $37 \pm 1^\circ\text{C}$ . Various adherent cell types can be grown on an Indium-Tin Oxide coated glass cover slip which functions as an electrode. This cover slip is loaded into the cell chamber and forms one side of a  $100 \mu\text{m}$  deep cell chamber. The other three sides of the cell chamber are composed of an etched silicon chip. This chip is capable of detecting very small changes in pH. Low-buffered medium ( $1\text{-}2 \text{ mM PO}_4$ ) is perfused across the cells in a stop/flow manner. When the flow is stopped, acidic metabolites (e.g. lactate and  $\text{CO}_2$ ) build up and are detected by the silicon chip. Such acidification occurs at a reproducible rate in normal, undamaged cells. Cells which have received a toxic insult will exhibit an altered (generally decreased) acidification rate.

## 7.0 EXPERIMENTAL DESIGN AND METHODOLOGY

The experimental design of this study consists of a solubility or miscibility test to select or confirm a suitable solvent for the test article, the determination of the pH of the neat (liquid) test article, the determination of the pH at the highest concentration of test article in the culture media, a dose range finding bioassay, a definitive and a confirmatory bioassay. At the Study Director's discretion additional trials may be run. Activity in the  $\mu\phi$  assay is evaluated on the basis of reduction of the acidification rate of a single cell set after the exposure to and subsequent washout of a series of test article concentrations. That concentration of test article which causes a 50% reduction in the acidification rate is calculated and termed the  $\text{MRD}_{50}$ .

The methods for conducting the acidification rate depression assay as measured in the  $\mu\phi$  are described in the Operator's Manual for the  $\mu\phi$  supplied by the Molecular Devices Corporation. Additional background information is given by Parce et al. (1989):



## 7.1 Media and Reagents

- 7.1.1 Growth Medium: Delbecco's modified Eagle's medium (DMEM) complete with 10% Fetal Bovine Serum and antibiotics. (Stock cultures utilize growth medium without antibiotics), L-glutamine 1% (200 mM) and sodium pyruvate 1% (200 mM).
- 7.1.2 Starvation Medium: Serum-free DMEM, antibiotics, L-glutamine and pyruvate.
- 7.1.3 Treatment Medium: Serum-free, Sodium Bicarbonate-free, DMEM with antibiotics and additional NaCl for consistent L-glutamine and pyruvate osmolarity (MDMEM).

## 7.2 Preparation and Delivery of Test Article

The test article will be dissolved in MDMEM, physiological saline solution, ethanol (CAS #64-17-5), dimethylsulfoxide (DMSO) (CAS #67-68-5), acetone (CAS #67-64-1), or other appropriate solvent. If MDMEM is used as a solvent, no special procedures other than constructing the appropriate dilutions are required. If a solvent other than MDMEM is used, and solubility in the desired solvent permits, a 500 mg/ml concentrate of test article in that solvent will be prepared. The final concentration of the solvent used in this assay will not exceed 10% unless otherwise specified.

The stability of the test article under the actual experimental conditions will not be determined by Microbiological Associates.

## 7.3 Route of Administration

The test article will be administered directly to the cells using the normal  $\mu\phi$  procedures. Cells will be exposed to each concentration of test article for approximately 500 sec after which time the test article is rinsed out of the cell chamber. The acidification rate is immediately measured after washout of the sample. Dosing is generally conducted by testing lower concentrations first and gradually increasing the dose (the same cell chamber is used for each dose) until the MRD<sub>50</sub> point has been surpassed or until the highest concentration has been dosed.

## 7.4 Controls

Each assay will include a solvent control (when other than MDMEM) and a positive control.

## 7.5 Growth of Cells

L929 cells will be grown on indium-tin oxide coated cover slips using Growth Medium for 2-3 days until they are approximately 90-100% confluent. At that time the medium will be switched to serum free medium, and the cells will be serum starved overnight. The cover slips which contain cells will be placed into the  $\mu\phi$  flow chambers and exposed to MDMEM at  $37 \pm 1^\circ\text{C}$ .

## 7.6 Dose Selection

A dose range finding  $\mu\phi$  assay will be performed to establish an appropriate test article dose range for the definitive  $\mu\phi$  assay. Depending on the solubility and other information available for the test article, nine to ten decreasing (approximately one-half log) doses will be prepared for use in the dose range finding  $\mu\phi$  assay. The highest dose of test article will be based on its solubility in MDMEM, DMSO, acetone, ethanol, or in another appropriate solvent. The maximum solvent concentration (other than MDMEM) will be 10% unless otherwise specified by the Sponsor or Study Director.

The test article will be tested by exposing it to L929 cells, at ~100% confluence, contained in flow chambers. The  $\mu\phi$  is programmed to measure the acidification rate of cells before they are exposed to test article and again after ~500 sec exposure to test article (after the test article has been washed out of the cell chamber). Exposures will begin with the lowest test article concentration and will continue, with a measurement of acidification rate made after each test article concentration has been washed out of the cell chamber, until either the highest test article concentration is reached or until the  $\text{MRD}_{50}$  value has been surpassed. Each test article concentration will be tested on a single set of cells. Positive control materials and solvent controls (other than MDMEM) will be tested in the same fashion.

The test article doses for the definitive assays will be chosen so that at least five treatments will be available for the determination of the  $\text{MRD}_{50}$  (the concentration of the test article which inhibits the acidification rate by 50%). Two concentrations will be chosen to result in expected survivals lower than 50%, one concentration will be chosen to result in an expected survival of approximately 50% and two or more concentrations will be chosen to result in expected survivals greater than 50%. If a test article fails to cause 50% toxicity in the dose range finding  $\mu\phi$  assay, the maximum dose will be 300 mg/ml or less based on its solubility in the preferred solvent unless otherwise specified by the Sponsor or Study

Director. If possible an MRD<sub>50</sub> will be determined from the dose range finding bioassay.

#### 7.7 Microphysiometer Assay

The definitive and confirmatory microphysiometer assays will be performed exactly like the dose range finding  $\mu\phi$  assay with the exception that five - seven concentrations of test article will be tested instead of nine to ten. The determination of the MRD<sub>50</sub> will be based upon the results of the definitive and confirmatory assay. At the study director's option, the result from the dose range finding assay (or additional definitive trials) may also be incorporated into the calculation of the final MRD<sub>50</sub>.

#### 7.8 Data Analysis

The acidification rates which occurred after exposure to each test article concentration are calculated by the  $\mu\phi$  software and compared to the acidification rate of the cells on the cover slip prior to exposure to any test material. The concentration of test material which results in a fifty percent reduction in acidification rate is calculated and referred to as the MRD<sub>50</sub>.

#### 8.0 CRITERIA FOR DETERMINATION OF A VALID TEST

The  $\mu\phi$  assay will be accepted if the positive control compound falls within 2 standard deviations of the historical range.

#### 9.0 EVALUATION OF TEST RESULTS

The significance of the MRD<sub>50</sub> is dependent on the class of materials tested. The sponsor should refer to existing information in the literature to determine the significance of the MRD<sub>50</sub> of this test article. Materials whose pH is less than or equal to 2.0, or greater than or equal to 12.0 will automatically be considered potential irritants and reported as such.

#### 10.0 REPORT

A report of the results of this study will be prepared by the Testing Laboratory and will accurately describe all methods used for generation and analysis of the data. A summary will be presented for each treatment group. The report will also include a discussion of results and the Study Director's interpretation of results. A copy of the protocol used for the study and any significant deviation(s) from the protocol will appear as a part of the final report.

11.0 RECORDS AND ARCHIVES

A separate working notebook will be used to record the materials and procedures used to perform this study. Upon completion of the final report, all raw data and reports will be maintained by the Regulatory Affairs Unit of Microbiological Associates, Inc.

12.0 REFERENCES

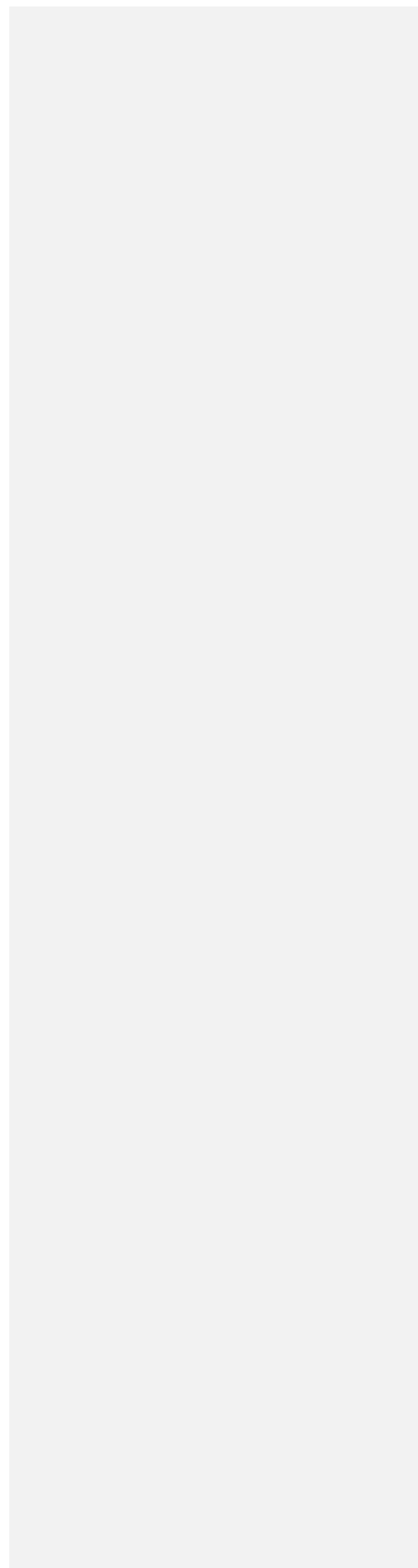
Parce, J.W. et al., Detection of Cell-Affecting Agents with a Silicon Biosensor, Science 13:243-247, 1990.

13.0 APPROVAL

_____ SPONSOR REPRESENTATIVE	_____ DATE
(Print or Type Name)	
<u><i>Richard D. Linn (for J.W.H.)</i></u> MA STUDY DIRECTOR	<u>3/25/92</u> DATE

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**ANNEX B**  
**(Physiochemical Properties of Chemicals)**



Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
1,2-Dodecanediol (etherified)	1119-87-5*	Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
1-Dodecyloxytri, pentadecanol (etherified)		Catroux, Rougier et al. 1993		10%		10%		
1-Naphthalene acetic acid	61-31-4	Balls, Botham et al 1995; (ECETOC 1992)	95%	100%		100%	Solid	Pesticide
1-Naphthalene acetic acid	86-87-3	Balls, Botham et al 1995; (ECETOC 1992)	96%	100%		100%	Solid	Pesticide
2,2-Dimethylbutanoic acid	595-37-9	Balls, Botham et al 1995; (ECETOC 1992)	96%	100%		100%	Liquid	Acid
2,5-Dimethylhexanediol	110-03-2	Balls, Botham et al 1995; (ECETOC 1992)	99.5%	100%		100%	Solid	Alcohol
2,6-Dichlorobenzoyl chloride	4659-45-4	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Aromatic (Acyl halide)
2-Ethyl-1-hexanol	104-76-7	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Alcohol
4-Carboxybenzaldehyde	619-66-9	Balls, Botham et al 1995; (ECETOC 1992)	est. >95% (by TLC)	100%		100%	Solid	Aromatic (Aldehyde)
Acetone	67-64-1	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Ketone
Ammonium laurylsulphate		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Ammonium nitrate	6484-52-2	Balls, Botham et al 1995; (ECETOC 1992)	99.999%	100%		100%	Solid	Inorganic chemical
Benzalkonium chloride	8001-54-5	Balls, Botham et al 1995; (ECETOC 1992)	98%	5%		5%	Solution	Surfactant-cationic
Benzalkonium chloride	8001-54-5	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	5%		5%	Liquid	Surfactant-cationic
Benzalkonium chloride	8001-54-5	Balls, Botham et al 1995; (ECETOC 1992)	98%	10%		10%	Solution	Surfactant-cationic
Benzalkonium chloride	8001-54-5	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	10%		10%	Liquid	Surfactant-cationic
Benzalkonium chloride	8001-54-5	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991		10%		10%	Liquid	Surfactant-cationic

Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
Benzalkonium chloride [1]	8001-54-5	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	1%		1%	Liquid	Surfactant-cationic
Benzalkonium chloride [1][2]	8001-54-5	Balls, Botham et al 1995; (ECETOC 1992)	98%	1%		1%	Solution	Surfactant-cationic
Benzoyl-L-tartaric acid	2743-38-6	Balls, Botham et al 1995; (ECETOC 1992)	98%	100%		100%	Solid	
Blend of sodium and magnesium lauryl ethersulphate		Catroux, Rougier et al. 1993		10%		10%		
Captan 90 concentrate	133-06-2	Balls, Botham et al 1995; (ECETOC 1992)	90%	100%		100%	Solid	Pesticide
Cetyl trimethyl ammonium bromide (CTAB)		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Cetyl trimethyl ammonium chloride (CTAC)		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Cetylpyridinium bromide	140-72-7	Balls, Botham et al 1995; (ECETOC 1992)	99%	0.10%		0.10%	Solution	Surfactant-cationic
Cetylpyridinium bromide	140-72-7	Balls, Botham et al 1995; (ECETOC 1992)	99%	6%		6%	Solution	Surfactant-cationic
Cetylpyridinium bromide	140-72-7	Balls, Botham et al 1995; (ECETOC 1992)	99%	10%		10%	Solution	Surfactant-cationic
Chlorhexidine	50-56-1	Balls, Botham et al 1995; (ECETOC 1992)	Not stated	100%		100%	Solid	Miscellaneous
Citric acid, 18%	77-92-9*	Bagley, Bruner et al. 1992		100%		100%	Liquid	Acid
Cocobetaine derivative (Dehyton AB 30)		Catroux, Rougier et al. 1993		10%		10%		
coprah amphoteric alkyl imidazolium dicarboxylate (miranol)		Catroux, Rougier et al. 1993		10%		10%		
CTAB		Bagley, Bruner et al. 1992		10%		10%	Liquid	Surfactant



Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
CTAC		Bagley, Bruner et al. 1992		1%		1%	Liquid	Surfactant
Cyclohexanol	108-93-0	Balls, Botham et al 1995; (ECETOC 1992)	97%	100%		100%	Liquid	Alcohol
Decanol, dodecanol (etherified)		Catroux, Rougier et al. 1993		10%		10%	Liquid	Ester
Dibenzyl phosphate	1623-08-1	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Solid	Organophosphate (Acid)
Dodecanol (etherified)		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Ethanol	64-17-5	Balls, Botham et al 1995; (ECETOC 1992)	Not stated	100%		100%	Liquid	Alcohol
Ethyl acetate	141-78-6	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Ester (Acetate)
Ethyl acetate, 10% in Tween 80		Bagley, Bruner et al. 1992		10%		10%	Liquid	Surfactant
Ethyl trimethyl acetate	3938-95-2	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Ester (Acetate)
Ethyl-2-methylacetate	609-14-3	Balls, Botham et al 1995; (ECETOC 1992)	ca 97% (by GC)	100%		100%	Liquid	Ester (Acetate)
Fomesafen	72128-02-0	Balls, Botham et al 1995; (ECETOC 1992)	97.5%	100%		100%	Solid	Pesticide
Gamma-butyrolactone	96-48-0	Balls, Botham et al 1995; (ECETOC 1992)	>99%	100%		100%	Liquid	Miscellaneous
Glycerol	56-81-5	Balls, Botham et al 1995; (ECETOC 1992)	>99.5	100%		100%	Liquid	Alcohol
Glycerol	56-81-5	Brantom, Bruner et al. 1997; (ECETOC 1992)	>99.5	100%		100%	Viscous Liquid	Alcohol
Imidazole	288-32-4	Balls, Botham et al 1995; (ECETOC 1992)	>99%	100%		100%	Solid	Heterocyclic
Imidazole	288-32-4	Brantom, Bruner et al. 1997; (ECETOC 1992)	>99%	100%		100%	Solid	Heterocyclic
Industrial Tween 20		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Isobutanol	78-83-1	Balls, Botham et al 1995; (ECETOC 1992)	99.9%	99.9%		100%	Liquid	Alcohol

Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
Isopropanol	67-63-0	Balls, Botham et al 1995; (ECETOC 1992)	99.9%	99.9%		100%	Liquid	Alcohol
Isopropanol	67-63-0	Brantom, Bruner et al. 1997; (ECETOC 1992)	99.9%	100%		100%	Liquid	Alcohol
L-Aspartic acid	70-47-3	Balls, Botham et al 1995; (ECETOC 1992)	100%	100%		100%	Solution	Acid
Maneb	12427-38-2	Balls, Botham et al 1995; (ECETOC 1992)	c.90	100%		100%	Solid	Pesticide
Methyl acetate	79-20-9	Balls, Botham et al 1995; (ECETOC 1992)	98%	100%		100%	Liquid	Ester (Acetate)
Methyl cyanoacetate	105-34-0	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Ester (Acetate)
Methyl ethyl ketone	78-93-3	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Ketone
Methyl isobutyl ketone	108-10-1	Balls, Botham et al 1995; (ECETOC 1992)	98%	100%		100%	Liquid	Ketone
Methylcyclopentane	96-37-7	Balls, Botham et al 1995; (ECETOC 1992)	>99%	100%		100%	Liquid	Hydrocarbon (Ketone)
MTAB		Bagley, Bruner et al. 1992		10%		10%	Liquid	Surfactant
Myristyl trimethyl ammonium bromide (MTAB)		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
n-Butyl acetate	123-86-4	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Ester (Acetate)
n-Hexanol	111-27-3	Balls, Botham et al 1995; (ECETOC 1992)	98%	100%		100%	Liquid	Alcohol
n-Octanol	111-87-5	Balls, Botham et al 1995; (ECETOC 1992)	>99%	100%		100%	Liquid	Alcohol
Octylphenoxy polyethoxy ethanol (Triton X100)	9002-93-1	Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant-nonionic
Paraffluoraniline	371-40-4	Balls, Botham et al 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Miscellaneous (Aromatic)
Polyethylene glycol 400	25322-68-3	Balls, Botham et al 1995; (ECETOC 1992)	Not stated	100%		100%	Viscous Liquid	Surfactant-nonionic

Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
Polyethylene glycol 400	25322-68-3	Brantom, Bruner et al. 1997; (ECETOC 1992)	Not stated	100%		100%	Viscous Liquid	Surfactant-nonionic
Polyoxyethylene sorbitane monolaurate (Tween 20)	9005-64-5	Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant-nonionic
Polyoxyethylene sorbitane monooleate (Tween 80)	9005-65-6	Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant-nonionic
Potassium cyanate	590-28-3	Balls, Botham et al 1995; (ECETOC 1992)	97%	100%		100%	Solid	Inorganic chemical
Promethazine HCl	58-33-3	Balls, Botham et al 1995; (ECETOC 1992)	98%	100%		100%	Solid	Miscellaneous
Propylene glycol	57-55-6	Brantom, Bruner et al. 1997; (ECETOC 1992)	Not stated	100%		100%		
Pyridine	110-86-1	Balls, Botham et al 1995; (ECETOC 1992)	>99.9%	100%		100%	Liquid	Heterocyclic
Pyridinium cetyl bromide		Catroux, Rougier et al. 1993		10%		10%		
Quinacrine	69-05-6	Balls, Botham et al 1995; (ECETOC 1992)	Not stated	100%		100%	Solid	Miscellaneous
Sodium hydroxide	1310-73-2	Balls, Botham et al 1995; (ECETOC 1992)	Reagent grade	1%		1%	Solution	Alkali
Sodium hydroxide	1310-73-2	Brantom, Bruner et al. 1997; (ECETOC 1992)	Reagent grade	1%		1%	Solution	Alkali
Sodium hydroxide	1310-73-2	Balls, Botham et al 1995; (ECETOC 1992)	Reagent grade	10%		10%	Solution	Alkali
Sodium hydroxide	1310-73-2	Brantom, Bruner et al. 1997; (ECETOC 1992)	Reagent grade	10%		10%	Solution	Alkali
Sodium lauryl sulfate	151-21-3	Balls, Botham et al 1995; (ECETOC 1992)	98%	3%		3%	Solution	Surfactant-anionic
Sodium lauryl sulfate	151-21-3	Balls, Botham et al 1995; (ECETOC 1992)	98%	15%		15%	Solution	Surfactant-anionic
Sodium lauryl sulfate	151-21-3	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991		40%		40%	Liquid	Surfactant-anionic

Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
Sodium lauryl sulphate	151-21-3	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	3%		3%	Solution	Surfactant-anionic
Sodium lauryl sulphate	151-21-3	Bagley, Bruner et al. 1992		5%		5%	Liquid	Surfactant-anionic
Sodium lauryl sulphate	151-21-3	Bagley, Bruner et al. 1992		10%		10%	Liquid	Surfactant-anionic
Sodium lauryl sulphate	151-21-3	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	15%		15%	Solution	Surfactant-anionic
Sodium lauryl sulphate	151-21-3	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	30%		30%	Solution	Surfactant-anionic
Sodium lauryl ethersulphate		Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Sodium laurylsarcosinate		Catroux, Rougier et al. 1993		10%		10%		
Sodium laurylsulphate (SDS-A)	151-21-3	Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Sodium laurylsulphate (SDS-B)	151-21-3	Catroux, Rougier et al. 1993		10%		10%	Liquid	Surfactant
Sodium oxalate	62-76-0	Balls, Botham et al. 1995; (ECETOC 1992)	>99%	100%		100%	Solid	
Sodium perborate, 4H <sub>2</sub> O	10486-00-7	Balls, Botham et al. 1995; (ECETOC 1992)	98.6%	100%		100%	Solid	Inorganic chemical
Tetraaminopyrimidine sulfate	5392-28-9	Balls, Botham et al. 1995; (ECETOC 1992)	97%	100%		100%	Solid	Heterocyclic
Thiourea	62-56-6	Balls, Botham et al. 1995; (ECETOC 1992)	>99%	100%		100%	Solution	Miscellaneous
Toluene	108-88-3	Balls, Botham et al. 1995; (ECETOC 1992)	99%	100%		100%	Liquid	Hydrocarbon (Aromatic)
Trichloroacetic acid	76-03-9	Balls, Botham et al. 1995; (ECETOC 1992)	Reagent grade	3.0%		3%	Solution	Acid
Trichloroacetic acid	76-03-9	Balls, Botham et al. 1995; (ECETOC 1992)	Reagent grade	30%		30%	Solution	Acid
Trichloroacetic acid	76-03-9	Brantom, Bruner et al. 1997; (ECETOC 1992)	Reagent grade	30%		30%	Solution	Acid
Triethanolamine	102-71-6*	Bagley, Bruner et al. 1992		100%		100%	Liquid	Surfactant

Chemicals	CAS	Reference study	In Vivo Test		In Vitro Test		Physico-chemical properties	Chemical classes
			Purity	Concentration Tested	Purity	Concentration Tested		
Triethanolamine	102-71-6*	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991					Liquid	Surfactant
Triethanolamine laurylsulphate		Catroux, Rougier et al. 1993		10%		10%		
Triton X-100	9002-93-1	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	1%		1%	Liquid	Surfactant-nonionic
Triton X-100	9002-93-1	Bagley, Bruner et al. 1992		10%		10%	Liquid	Surfactant-nonionic
Triton X-100	9002-93-1	Balls, Botham et al. 1995; (ECETOC 1992)	98%	10%		10%	Solution	Surfactant-nonionic
Triton X-100	9002-93-1	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	10%		10%	Liquid	Surfactant-nonionic
Triton X-100 [1]	9002-93-1	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	5%		5%	Liquid	Surfactant-nonionic
Triton X-100 [1]/[2]	9002-93-1	Balls, Botham et al. 1995; (ECETOC 1992)	98%	5%		5%	Solution	Surfactant-nonionic
Tween 20	9005-64-5	Bagley, Bruner et al. 1992		10%		10%	Liquid	Surfactant-nonionic
Tween 20	9005-64-5	Bagley, Bruner et al. 1992		100%		100%	Liquid	Surfactant
Tween 20	9005-64-5	Balls, Botham et al. 1995; (ECETOC 1992)	98%	100%		100%	Liquid	Surfactant-nonionic
Tween 20	9005-64-5	Brantom, Bruner et al. 1997; (ECETOC 1992)	98%	100%		100%	Liquid	Surfactant-nonionic
Tween 20	9005-64-5	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991					Liquid	Surfactant-nonionic

\* - CAS number retrieved by looking up chemical name

**ANNEX C**  
**(Physiochemical Properties of Formulations)**

Reference Study	Products / formulations			
	% of ingredients, composition, impurities	Category of product (cleaner, shampoo, etc...)	Type of product (surfactants / organic solvents, acids / alkali, reactive agents)	Other product form (liquid, solid, gel, etc..., pH)
Bar soap, 10%	Not stated	Soap	Not stated	Solid
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Solid
Bath foam	Not stated	Soap	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Liquid
Liquid soap	Not stated	Soap	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Liquid
Skin cleanser	Not stated	Cleaner	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Cleaner	Not stated	Liquid
Liquid laundry detergent	Not stated	Soap	Not stated	Gel
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Gel
Dishwashing liquid	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Shower gel	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Shower gel, 10%	Not stated	Cosmetic	Not stated	Gel
Bagley, Bruner et al. 1992	Not stated	Cosmetic	Not stated	Liquid
Shampoo	Not stated	Soap	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Liquid
Hair conditioner	Not stated	Cleaner	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Cleaner	Not stated	Liquid
Shampoo	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Shampoo	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Hair gel	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Foaming bath, 10%	Not stated	Soap	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Liquid
Dishwashing liquid	Not stated	Cleaner	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Cleaner	Not stated	Liquid
Shampoo	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Bath gel/bath foam	Not stated	Soap	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Liquid
Baby shampoo	Not stated	Shampoo	Not stated	Liquid
Bagley, Bruner et al. 1992	Not stated	Shampoo	Not stated	Liquid
Hair gel	Not stated	Cosmetic	Not stated	Gel
Bagley, Bruner et al. 1992	Not stated	Cosmetic	Not stated	Gel
Shower gel with baby oil, 10%	Not stated	Soap	Not stated	Gel
Bagley, Bruner et al. 1992	Not stated	Soap	Not stated	Gel
Bar soap A	Not stated	Soap	Not stated	Solid
Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Soap	Not stated	Solid
Bar soap B	Not stated	Soap	Not stated	Solid
Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Soap	Not stated	Solid

	Reference Study	Products / formulations			
		% of ingredients, composition, impurities	Category of product (cleaner, shampoo, etc...)	Type of product (surfactants / organic solvents, acids / alkali, reactive agents)	Other product form (liquid, solid, gel, etc..., pH)
Fabric softener	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Cleaner	Not stated	Liquid
Hard surface cleaner A	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Cleaner	Not stated	
Hard surface cleaner B	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Cleaner	Not stated	
Light duty dishwashing liquid	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Cleaner	Not stated	Liquid
Liquid hand soap	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Soap	Not stated	Liquid
Shampoo A	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Shampoo	Not stated	Liquid
Shampoo B	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Shampoo	Not stated	Liquid
Shampoo C	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Shampoo	Not stated	Liquid
Shampoo D	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Shampoo	Not stated	Liquid
Heavy duty dishwashing liquid	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Cleaner	Not stated	Liquid
Heavy duty laundry detergent	Bruner, Miller et al. 1991; Bruner, Kain et al. 1991	Not stated	Cleaner	Not stated	Liquid
Make-up remover no. 1	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid
Make-up remover no. 2	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid
Face serum no. 3	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid
Make-up remover no. 4	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid
Make-up remover no. 5	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid
Face serum no. 6	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid
Make-up remover no. 7	Catroux, Rougier et al. 1993	Not stated	Cosmetic	Surfactant	Liquid

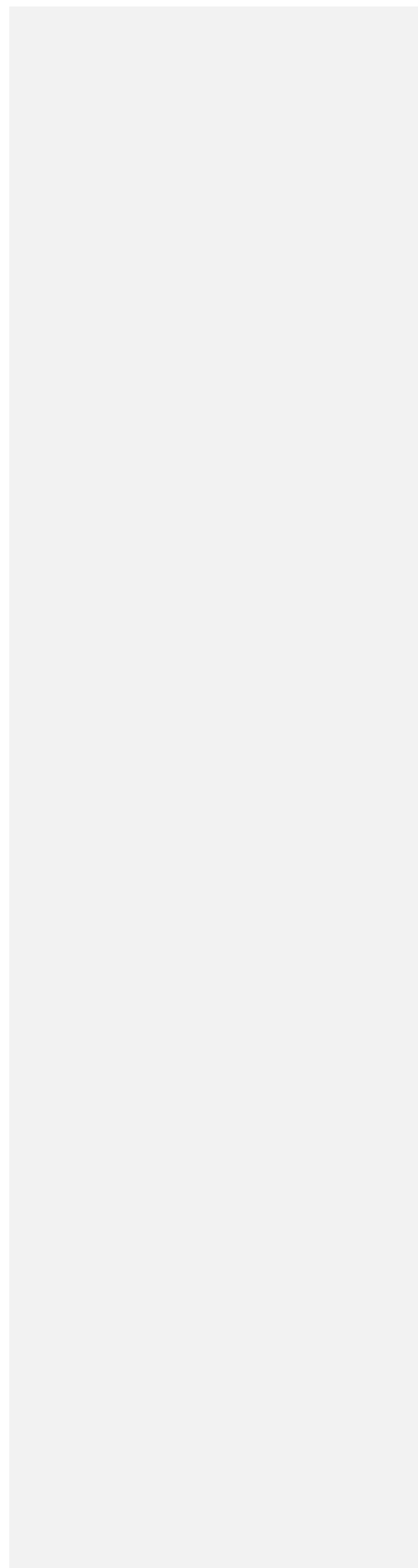


Reference Study	Products / formulations			
	% of ingredients, composition, impurities	Category of product (cleanser, shampoo, etc...)	Type of product (surfactants / organic solvents, acids / alkali, reactive agents)	Other product form (liquid, solid, gel, etc..., pH)
Face serum no. 8	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	
Make-up remover no. 9	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 10	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 11	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Face mask	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	
Make-up remover no. 13	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 14	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 15	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 16	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 17	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 18	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 19	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 20	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 21	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Make-up remover no. 22	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid
Shampoo no. 23	Catroux, Rougier et al. 1993	Shampoo	Surfactant	Liquid
Mild shampoo	Catroux, Rougier et al. 1993	Shampoo	Surfactant	Liquid
Make-up remover no. 25	Catroux, Rougier et al. 1993	Cosmetic	Surfactant	Liquid

	Reference Study	Products / formulations			
		% of ingredients, composition, impurities	Category of product (cleanser, shampoo, etc...)	Type of product (surfactants / organic solvents, acids / alkali, reactive agents)	Other product form (liquid, solid, gel, etc..., pH)
Shampoo no. 26	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shampoo no. 27	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shampoo no. 28	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shampoo no. 29	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shampoo no. 30	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shampoo no. 31	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shower shampoo	Catroux, Rougier et al. 1993	Not stated	Shampoo	Surfactant	Liquid
Shampoo no. 7	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Liquid soap no. 1	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	liquid
Shampoo no. 1	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Shampoo no. 5	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Gel cleanser	Gettings, Lordo et al. 1996	See Annex D	Cosmetic	Surfactant based formulation	Gel
Baby shampoo no. 2	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Shampoo no. 8	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Eye make-up remover	Gettings, Lordo et al. 1996	See Annex D	Cosmetic	Surfactant based formulation	Liquid
Skin cleanser	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	Liquid
Mild shampoo	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Bubble bath	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	Liquid
Foam bath	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	Liquid
Shampoo no. 3	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Shampoo no. 6	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid

	Reference Study	Products / formulations			
		% of ingredients, composition, impurities	Category of product (cleanser, shampoo, etc...)	Type of product (surfactants / organic solvents, acids / alkali, reactive agents)	Other product form (liquid, solid, gel, etc..., pH)
Baby shampoo no. 1	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Cleansing gel	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	Gel
Facial cleansing foam	Gettings, Lordo et al. 1996	See Annex D	Cosmetic	Surfactant based formulation	
Shower gel	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	Gel
Polishing scrub	Gettings, Lordo et al. 1996	See Annex D	Cleaner	Surfactant based formulation	
Hand soap	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	
Shampoo no. 4	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Liquid soap no. 2	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	Liquid
Shampoo no. 2	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Anti-dandruff shampoo	Gettings, Lordo et al. 1996	See Annex D	Shampoo	Surfactant based formulation	Liquid
Facial cleanser	Gettings, Lordo et al. 1996	See Annex D	Soap	Surfactant based formulation	
Shampoo no. 1 - normal	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Shampoo	Surfactant based formulation	Liquid
Eye make-up remover	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Cosmetic	Surfactant based formulation	Liquid
Pump deodorant / antiperspirant	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Cosmetic	Surfactant based formulation	
Gel cleanser	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Cosmetic	Surfactant based formulation	Gel
Shampoo - baby	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Shampoo	Surfactant based formulation	Liquid
Hair styling lotion	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Cosmetic	Non-surfactant based formulation	
Liquid soap no.1	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Soap	Surfactant based formulation	Liquid
Mouthwash	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	cosmetic alcohol	Non-surfactant based formulation	Liquid
Skin cleanser	Brantom, Bruner et al. 1997; (ECETOC 1992)	See Annex D	Soap	Surfactant based formulation	Liquid

**ANNEX D**  
**(Chemicals and Formulations)**



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## **CTFA Phase III Study Formulations**

CTFA Phase III Formulations			
Formulation		Ingredient	
Code	Name	Name	% Conc. (w/w)
HZA	Shampoo No. 7	Water	53.86
		Sodium lauryl sulfate (30%)	25.00
		Disodium laureth sulfocuccinate (40%)	15.00
		Lauramide DEA	0.50
		Butylene glucol	5.00
		Methyl and propylparabens	0.25
		Carageenan	0.35
		Methyl and methylchloroisothiazolinone	0.04
HZB	Liquid Soap No. 1*	Water and volatiles	65-85
		Ammonium lauryl sulfate	1-10
		Sodium laureth sulfate	1-10
		Lauramide DEA	1-10
		Glycerine	1-10
		Isostearamidopropyl morpholine lactate	0.1-1.0
		Disodium ricinoleamido MEA-sulfosuccinate	0.1-1.0
		DMDM hydantoin	0.1-1.0
		Citric Acid	0.1-1.0
		Triclosan	0.1-1.0
		Tetrasodium EDTA	<0.1
		FD&C Yellow No. 5	<0.1
		FD&C Red No. 4	<0.1
HZC	Shampoo No. 1*	Water	14.037
		Laurylamidopropyl betaine (30%)	60.000
		Cetrimonium chloride	16.000
		PEG-3 cocamide	4.500
		Citric Acid	3.500
		Sodium chloride	1.000
		Ditallowdimonium chloride (73%)	0.700
		Lauryl alcohol	0.250
		Methyl and chloroisothiazolinone (1.5%)	0.033
HZD	Shampoo No. 5	Water	54.120
		Sodium laureth sulfate (26%)	38.000
		Cocamide DEA	3.000
		Cocamide propyl betaine (30%)	1.750
		Disodium EDTA	0.050
		Methylparaben	0.150
		Propylparaben	0.100
		Citric Acid	0.250
		FD&C Yellow No. 5 (1%)	0.050
		D&C Red No. 33 (0.5%)	0.015
		DMDM hydantoin (54%)	0.300
		BHT	0.050
		Sodium glutamine	2.000
		Sodium chloride	0.170

CTFA Phase III Formulations			
Formulation		Ingredient	
Code	Name	Name	% Conc. (w/w)
HZE	Gel Cleanser	Water	59.974
		Acylglutamate CT-12 (30%)	15.000
		Cocoamphodiacetate (50%)	15.000
		Sodium nonoxynol-6 phosphate (88.5%)	6.000
		Quaternium-26 (58%)	1.500
		PEG-120-methyl glucose dioleate	1.500
		Citric Acid	0.100
		Sodium citrate	0.500
		Disodium EDTA	0.050
		Methylparaben	0.150
		DMDM hydantoin (55%)	0.200
		FD&C yellow No. 10 (1%)	0.001
D&C Blue No. 1 (0.746%)	0.025		
HZF	Baby Shampoo No.2	Water	57.653
		Sodium laureth (2EO) sulfate (28%)	21.430
		Disodium laureth-3-sulfocuccinate (40%)	9.090
		Cocamidopropyl betaine (30%)	10.000
		Lauramide DEA	1.500
		Kathon DG (1.5%)	0.067
		Tetrasodium EDTA (30%)	0.260
HZG	Shampoo No. 8*	Water	48.43
		Sodium laureth sulfate (28%)	20.00
		Sodium lauryl sulfate (30%)	25.00
		Lauramide DEA	5.00
		Hydroxyethyl tallow glycinate	1.00
		Citric Acid	0.20
		PEG-45M	0.20
		Methyl and propylparabens	0.13
		Methyl and chloromethyl-isothiazolinone	0.04
HZH	Eye Make-up Remover	Water	96.242
		Sodium laureth sulfate (21%)	0.900
		Cocoamphocarboxyglycinate (40%)	1.100
		Hexylene glycol	1.000
		Dipotassium phosphate	0.394
		Potassium phosphate	0.102
		Allantoin	0.050
		Methyl paraben	0.150
		EDTA	0.150
		Rose water	0.008
Thimerosal	0.003		
HZI	Skin Cleanser	Water	44.0
		Sodium laureth sulfate (30%)	50.0
		Cocamide MEA	5.0
		Sodium chloride	0.4
		Disodium EDTA	0.2
		Imidizolidinyl urea	0.2
		Methyl paraben	0.2
		Benzoic acid	0.1



CTFA Phase III Formulations			
Formulation		Ingredient	
Code	Name	Name	% Conc. (w/w)
HZJ	Mild Shampoo	Water	52.09
		Tween 20	12.63
		Cocoamphodiacetate (24%)	21.25
		PEG 6000	2.60
		Cedepal TD403 (75%)	6.53
		Hydrochloric acid (15%)	1.68
		Arlacel 20	0.92
		Benzyl alcohol	0.10
		Dowicil 200	0.10
		D&C Yellow No. 10 (0.2%)	1.70
		D&C Orange No. 4 (0.2%)	0.20
HZK	Bubble Bath	Water	68.75
		Sodium laureth sulfate (60%)	25.00
		Lauramide DEA	4.50
		SD Alcohol 3-A	3.75
		Sodium chloride	0.80
		Triethanolamine	0.40
		Phosphoric Acid (86.5%)	0.35
		Sorbic acid	0.20
HZL	Foam Bath	Water	47.76
		Sodium laureth sulfate (26%)	46.00
		Cocamidopropyl betaine (30%)	2.50
		Sodium chloride	2.40
		Glycol monostearate	0.40
		Colour solution	0.30
		DMDM hydantoin (54%)	0.25
		Methylparaben	0.20
		Propylparaben	0.10
		BHT	0.50
		Aloe Vera gel	0.02
		Citric Acid	0.02
		Tetrasodium EDTA	0.01
HZM	Shampoo No. 3*	Water	80-90
		Ammonium lauryl sulfate	5-10
		Lauramide DEA	1-5
		Cocamidopropyl sultaine	1-5
		Citric Acid	<1.0
		Ammonium chloride	<1.0
		DMDM Hydantoin	<1.0
		Tetrasodium EDTA	<1.0
		Methylparaben	<1.0
		FD&C Yellow No. 5	<0.1
		D&C Yellow No.10	<0.1
		F&C Red No. 4	<0.1
		PPG-9	q.s.

CTFA Phase III Formulations			
Formulation		Ingredient	
Code	Name	Name	% Conc. (w/w)
HZN	Shampoo No. 6*	Water	44.381
		Sodium laureth (2EO) sulfate (28%)	43.634
		Cocamidopropyl betaine (30%)	11.760
		Tetrasodium EDTA	0.013
		Formalin	0.100
HZP	Baby Shampoo No. 1	Water	49.54
		PEG-80 soritan laurate (50%)	23.60
		Sodium trideceth sulfate	17.40
		Lauroamphocarboxyglycinate (50%)	5.40
		PEG-150 distearate (50%)	5.00
		Cocamidopropyl hydroxysultane (50%)	4.00
		Sodium laureth-13 carboxylate (50%)	1.00
		Quaternium 15	0.03
		Benzyl alcohol	0.05
		FD&C Yellow No. 5 (1%)	0.25
		FD&C Yellow No. 6 (1%)	0.05
HZQ	Cleansing Gel	Water	68.93
		Lauramphocarboxyglycinate (25%)	10.4
		Sodium trideceth sulfate (16%)	10.6
		TEA-lauryl sulfate (40%)	3.50
		Lauramide DEA	0.50
		PEG-150 distearate	2.80
		Propylene glycol	1.40
		Hexylene glycol	1.05
		Citric Acid	0.28
		Diazolidinyl urea	0.20
		Methylparaben	0.20
		Sodium citrate	0.14
HZR	Facial Cleansing Foam*	Water	32.97
		Sodium cocoyl isethionate	20.00
		Sodium lauroyl sarcosinate (30%)	25.00
		PPG-5-celeth-10 phosphate	4.00
		Linoleamide DEA	2.00
		sorbitol (70%)	2.75
		Glycol stearate	5.50
		Glycerin	2.00
		Diglycerol	2.00
		Celearyl alcohol	2.75
		Mineral oil	0.50
		Methylparaben	0.15
		Propylparaben	0.10
		Trisodium EDTA	0.10
		Beeswax	0.10
Ceresin	0.06		
Sodium borate	0.02		

CTFA Phase III Formulations			
Formulation		Ingredient	
Code	Name	Name	% Conc. (w/w)
HZS	Shower Gel	Water	27.567
		Sodium lauroyl sarcosinate (30%)	25.000
		Laurimidopropyl betaine (30%)	25.000
		Cocamidopropyl hydroxysultane (50%)	15.000
		Linoleamide DEA	4.500
		Clycol stearate	1.000
		Polyquaternium-2	1.000
		Phosphoric Acid (86.5%)	0.600
		Terasodium EDTA	0.200
		BHT	0.050
		PPG-12-buteth-16	0.050
		Methyl and chlorosothiazolinone (1.5%)	0.033
HZT	Polishing Scrub	Water	33.85
		Mineral oil	10.00
		Laurophocarboxyglycinate (25%)	8.80
		Sodium trideceth sulfate (16%)	9.40
		Pretrolatum	6.60
		Isopropyl palmitate	6.60
		Propylene glycol	5.00
		Cetyl palmitate	4.40
		Glyceryl stearate and PEG-100 stearate	4.40
		Aluminium silicate	3.00
		Cetyl alcohol	2.50
		Polypropylene	2.50
		Magnesium aluminium silicate	1.00
		Titanium dioxide	0.50
		Hexylene glycol	0.40
		Imidazolidinyl urea	0.30
		Methylparaben	0.30
		Lactic acid	0.25
Propylparaben	0.20		
HZU	Hand Soap*	Water	37.95
		Sodium C14-16 olefin sulfonate (36%)	20.25
		Sodium lauroyl sarcosinate	20.00
		Cocamidopropyl hydroxysultane	8.00
		Propylene glycol	3.00
		Glycol stearate	3.00
		PPG-12-PEG-50 lanolin	3.00
		Polyquaternium-7	2.00
		Citric Acid	1.00
		Hydrolysed animal protein	1.00
		Polyquaternium-10	0.50
		Quaternium 15	0.20
Aloe Vera gel	0.10		

CTFA Phase III Formulations			
Formulation		Ingredient	
Code	Name	Name	% Conc. (w/w)
HZV	Shampoo No. 4*	Water	80-90
		Ammonium lauryl sulfate	5-10
		Lauramide DEA	1-5
		Cocamidopropyl sultaine	<1.0
		Ammonium chloride USP	<1.0
		Citric Acid	<1.0
		DMDM hydantoin	<1.0
		Tetrasodium EDTA	<1.0
		Methylparaben	<1.0
		FD&C Yellow No. 5	<0.1
		D&C Yellow No. 10	<0.1
		FD&C Red No. 4	<0.1
PPG-9	q.s.		
HZW	Liquid Soap No. 2*	Water and volatiles	60-80
		TEA-lauryl sulfate	1-10
		Sodium laureth sulfate	1-10
		Sodium lauroyl sarcosinate	1-10
		Lauramide DEA	1-10
		Glycol distearate	1-10
		Isostearamidopropyl morpholine lactate	0.1-1.0
		Disodium ricinoleamido MEA-sulfosuccinate	0.1-1.0
		DMDM hydantoin	0.1-1.0
		Citric Acid	0.1-1.0
Tetrasodium EDTA	<0.1		
HWX	Shampoo No. 2	Water	69.1895
		Ammonium lauryl sulfate (25%)	25.0000
		Cocamide DEA	3.0000
		Hydroxypropyl methylcellulose	1.4500
		EDTA	0.6000
		Formaldehyde	0.2000
		Benzyl alcohol	0.2000
		Bensophenone-4 sodium hydroxide	0.0400
		Citric Acid	0.0100
		Ammonium chloride	0.0100
		FD&C Blue No. 1	0.0005
HZY	Anti-Dandruff Shampoo	Water	27.13
		Sodium lauroyl sarcosinate (30%)	15.00
		Lauramide DEA	4.50
		TEA-lauryl sulfate (40%)	45.00
		Glycol distearate	3.00
		Zinc pyrithione	2.10
		Sodium chloride	1.20
		Citric Acid	0.90
		Imidazolidinyl urea	0.50
		Methylparaben	0.30
		Propylparaben	0.10
		Xanthan gum	0.27

<b>CTFA Phase III Formulations</b>			
<b>Formulation</b>		<b>Ingredient</b>	
<b>Code</b>	<b>Name</b>	<b>Name</b>	<b>% Conc. (w/w)</b>
HZZ	Facial Cleanser	Water	32.55
		Mineral oil	40.00
		Beeswax	2.30
		PEG-16 soya sterol	5.00
		PEG8 dilaurate	2.00
		Cetearyl alcohol (70%)	0.80
		Ceteareth 20 (30%)	0.80
		Beheme acid	0.80
		Sodium borate	0.75
		Ceresin	0.50
		Carbopol dispersion (25%)	15.00
		Methylparaben	0.15
		Propylparaben	0.10
		Disodium EDTA	0.05

\* - Diluted to 25% (v/v) with distilled water prior to testing.

## **COLIPA Study Formulations**

COLIPA Formulations		
Name	Ingredient	% Conc. (w/w)
Shower Gel	Lexaine LM - CAPB	25.00 - 7.5% as 100% ai
	Hamosyl L30 - sarcosinate	25.00 - 7.5% as 100% ai
	Lexaine CSB - 50 CAPB	15.00 - 7.5% as 100% ai
	Comperlan F (linoleamide DEA)	4.500
	Cerasynt M (glycol stearate)	1.000
	Mirapol A15 (polquat-2)	1.000
	Orthophosphoric acid (50%)	0.600
	EDTA Na (4)	0.200
	BHT	0.050
	Ucon 50-HB0660 (PPG-12 Buteth-16)	0.050
	Kathon CG	0.033
Water, (Demin. FB&C)	27.567	
Moisturiser with sunscreen	Propylene glycol	5.00
	Lanolin BP/EF	5.00
	Nipagin M	0.10
	Triethanolamine pure	1.00
	EDTA Na (2)	0.05
	Nipazol M (methylparaben)	0.05
	Homosalate - sunscreen	8.00
	Perfecta (petroleum jelly)	2.50
	Pristerine 4900 - fatty acid (stearic acid)	4.00
Water, (Demin. FB&C)	74.30	
Skin cleanser	Empicol ESB 70 (Ethoxysulphate SLES)	21.43
	Empilan CME (Cocoamide MEA)	5.00
	Sodium chloride	0.40
	EDTA Na (2)	0.20
	Germall 115	0.20
	Nipagin M (methylparaben)	0.20
	Benzoic acid	0.10
	Water, (Demin. FB&C)	72.47
Cleansing Foam	Neosorb 70/70	2.75
	Hamosyl L30 - (30% ai sarcosinate)	25.00
	Pricerine 9083 (glycerin)	2.00
	Diglycerin	2.00
	Nipagin M (methylparaben)	0.15
	EDTA Na (3)	0.10
	Borax EP (sodium borate)	0.02
	Jordapon CI powder (sodium cocoyl isethionate)	20.00
	Cerasynt M	5.50
	Laurex CS (cetearyl alcohol)	2.75
	Sirius M70	0.50
	Beeswax with bleach	0.10
	Ceresine was SP252	0.06
	Nipazol M (polyparaben)	0.10
	Crodafos SG (PPG-S-ceteth-10 phosphate)	4.00
Comperlan F (linoleamide DEA)	2.00	
Water, (Demin. FB&C)	32.97	

COLIPA Formulations		
Name	Ingredient	% Conc. (w/w)
Hair Conditioner	Ceraphyl 85 - cationic surfactant	3.50
	Promulgen D - cetyl stearyl alcohol	3.50
	Glucam E-20	3.00
	SolulanPB-10	3.00
	Finsolv TN (C12-15 alcy bensoates)	1.50
	Lorol C16	1.50
	Crodamol ML (myristyl lactate)	1.00
	Crotein C (colagen amino acids)	1.00
	Polymer JR400	0.75
	Citric acid	0.70
	DL Panthenol	0.50
	Nipagin M (methylparaben)	0.25
	Dowicil 200 (quaternium-15)	0.20
	Water, (Demin. FB&C)	79.60
Shampoo 2 in 1	Water, (purified)	qs 100.00
	Ammonium lauryl sulphate 27% & Formaldehyde 0.05%	13.000
	Ammonium lauryl sulphate 25% & Formaldehyde 0.05%	4.000
	Ammonium xylene sulphonate 40%	1.400
	Dimethicone gum 40/60	3.000
	Glycol distearate	1.500
	Sodium chloride	1.000
	Cocamide MEA 94%	0.850
	Sodium citrate dihydrate	0.430
	Xanthan gum	5.000
	Cetyl alcohol	0.350
	Panthenayl ethyl ether 90% & panthenol 10% (pantyl B)	0.250
	Sodium Benzoate	0.250
	Citric acid anhydrous	0.200
	DMDM Hydantoin 55%	0.825
	Stearyl alcohol	0.150
Tetrasodium EDTA dihydrate	0.087	
Mouthwash	70% Sorbitol solution	20.000
	Citric acid	0.100
	Polysorbate 60	0.300
	Ethanol BP DRS	10.000
	Cinnamon oil	0.050
	Peppermint oil	0.100
	FD&C Red No. 4	0.001
	CPC	0.100
	Deionised water	69.349
Shampo No. 1 - Normal pH 6.0-6.5	Water	to 100%
	Sodium laureth (2EO) sulphate	12.218
	Cocamidopropyl betaine	3.528
	Tetrasodium EDTA	0.125
	Formalin	0.100



COLIPA Formulations		
Name	Ingredient	% Conc. (w/w)
Toothpaste	Sorbitol	38.267
	Glycerin	25.000
	Silica	23.500
	Water	6.000
	PEG 600	3.000
	Sodium lauryl sulphate	1.200
	Flavor	0.890
	Sodium Benzoate	0.500
	Tetrasodium pyrophosphate	0.500
	Sodium carboxymethylcellulose	0.400
	Titanium dioxide	0.300
	Sodium fluoride	0.243
Sodium saccharin	0.200	
Shampoo - baby	Deionised water	to 100%
	Sodium laureth (2EO) sulphate	6.000
	Disodium laureth-3-sulphosuccinate	3.636
	Cocamiopropyl betaine	3.000
	Lauramide DEA	1.500
	Kathon CG	0.001
	Tetrasodium EDTA	0.078
Gel Cleanser	Water	59.973
	Methylparaben	0.150
	Disodium EDTA	0.050
	Citric acid	0.100
	Sodium citrate	0.500
	PEG-120 Methyl glucose	1.500
	Sodium nonoxynol-6 phosphate	6.000
	Acylglutamate CT-12 TE	15.000
	Cocoamphodiacetate	15.000
	Quaternium-26	1.500
	DMDM Hydantoin	0.200
	FC&C Blue No. 1	0.025
D&C Yellow No. 10	0.002	
Eye Liner	Water	72.00
	Triethanolamine	2.50
	Shellac	1.50
	Xanthan gum	0.50
	Iron oxides	15.00
	Polysorbate 20	1.00
	Beeswax	2.00
	Stearic acid	5.00
	Methylparaben, butylparaben, ethylparaben and propylparaben	0.30
	Diazolidinyl urea	0.20

COLIPA Formulations		
Name	Ingredient	% Conc. (w/w)
Cologne	Water	7.500
	SD alcohol 40	82.340
	Benzophenone 2	0.100
	BHA	0.050
	D&C Orange No. 5	0.001
	FC&C Blue No. 1	0.010
	Fragrance	10.000
Blush	Talc	59.93
	Nylon 12	10.00
	Bis-Phenyl hexamethicone	4.00
	Octyl dodecyl stearyl stearate	4.00
	Aluminium starch octenyl succinate	2.50
	Methylparaben	0.20
	Sorbic acid	0.20
	Butylparaben	0.05
	Mica	7.80
	Iron oxides	4.30
	Titanium dioxide	5.20
	D&C Red No. 30	0.32
	Manganese violet	1.50
Perfumed skin lotion	Steareth 2	0.75
	Oleth 10	0.50
	Cetyl alcohol	1.50
	PEG 40 Stearate	1.25
	Isopropyl palmitate	5.00
	Water	56.67
	Disodium EDTA	0.10
	Carbomer	0.30
	Triethanolamine	0.38
	Benzophenone 4	0.05
	SD alcohol 40	33.00
	Fragrance	0.05
	Mascara	Water
Triethanolamine		2.00
EDTA		0.05
Shellac		2.50
PVP/VA Copolymer		1.00
Zanthan gum		0.50
Stearic acid		5.50
C <sub>18-16</sub> Acid triglyceride		10.00
Carnauba		5.50
Beeswax		2.50
Methylparaben, butylparaben, ethylparaben and propylparaben		0.40
Phenoxyethanol		0.20
Iron oxides		10.00
Diazolidinyl urea		0.10
Fragrance		0.20

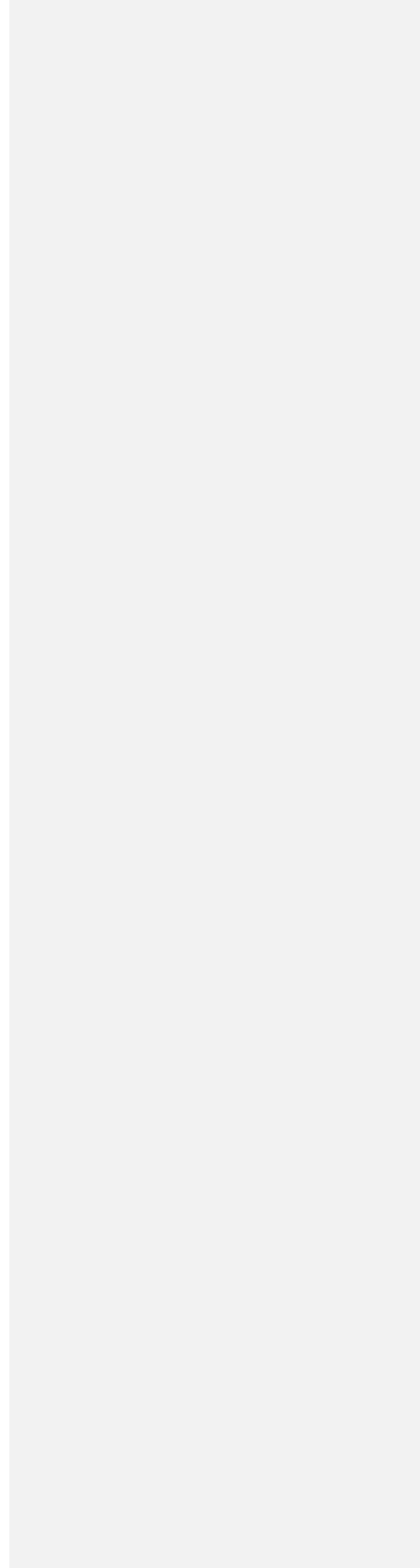
COLIPA Formulations		
Name	Ingredient	% Conc. (w/w)
Eye Shadow	Talc	48.95
	Octyl dodecyl stearyl stearate	5.00
	Aluminium starch octenyl succinate	5.00
	Methylparaben	0.20
	Sorbic acid	0.20
	Butylparaben	0.05
	Mica	18.00
	Titanium dioxide	12.00
	Iron oxides	10.60
Hair Dye Base Formulation No. 1	Water	ad 100
	Cetearyl alcohol	2.00
	Sodium lauryl sulphate	0.60
	Methylparaben	0.10
	Disodium EDTA	0.10
	Ammonium hydroxide	ad pH 8.5 - 9.5
Hair Dye Base Formulation No. 2	Water	as 100
	Alcohol	4.70
	Cetearyl alcohol	1.50
	Glyceryl stearate	0.60
	Cetimonium chloride	0.50
	Isopropyl alcohol	0.50
	Fragrance	0.50
	Ceteareth-20	0.10
	Ammonium hydroxide	as pH 6.5 - 7.0
Hair Dye Base Formulation No. 3	Water	ad 100
	Cetearyl alcohol	21.00
	Sodium sulphite	0.50
	Sodium laureth-8 sulphate	0.40
	Sodium laureth sulphate	0.40
	Sodium oleth sulphate	0.20
	Magnesium laureth-8 sulphate	0.20
	Magnesium laureth sulphate	0.20
	Magnesium oleth sulphate	0.20
	Fragrance	0.10
	Ammonium hydroxide	ad pH 9.5
Pump deodorant / antiperspirant	PEG-8	4.00
	PEG-40 Hydrogenated castor oil	1.00
	Aluminium chlorhydrate (50% ACH in water)	10.00
	Citric acid	0.10
	Alcohol	40.00
	Fragrance	0.30
	Water, demin	44.60

<b>COLIPA Formulations</b>		
<b>Name</b>	<b>Ingredient</b>	<b>% Conc. (w/w)</b>
Sunscreen Lotion	Tegin P	1.00
	Safacid 16/18 CR (stearic acid)	1.50
	Mineraloil 3°E	5.00
	Glycerin	4.00
	Nafol 1618JA	0.40
	Carbopol 934 PH	0.10
	Parsol MCX	2.70
	Triethanolamine	0.80
	Paraben P	0.10
	Paraben M	0.10
	Water, demin	84.30
Sunscreen SPF 15	Lanolin	4.50
	Cocoa butter	2.00
	Clycerol monostearate SE	3.00
	Stearic acid	2.00
	Padimate O (Escalol 507) (Octyl dimethyl PABA)	7.00
	Oxybenzone (Uvinol M40) (benzophenone-3)	3.00
	Sorbitol	5.00
	Triethanolamine	1.00
	Methylparaben	0.30
	Benzyl alcohol	0.50
	Water	71.60
	(ingredients add up to 99.9%)	
Eye make up remover	Water	81.843
	Allantoin	0.0500
	Sodim laureth sulphate	0.9000
	Sodium oleth sulphate	
	Magnesium laureth sulphate	
	Magnesium laureth-8 sulphate	
	Magnesium oleth sulphate	
	Cocoamphocarboxy-glycinate	1.1000
	EDTA	0.0500
	Rose water	0.0080
	Water	9.8000
	Hexylene glycol	1.0000
	Methylparaben	0.1500
	Water	4.6000
	Potassium phosphate	0.1020
	Dipotassium phosphate	0.3944
Thimerosal	0.0030	
Hydrophilic ointment	Deionised water	32.960
	White petrolium	25.000
	Stearyl alcohol	25.000
	Propylene glycol	12.000
	Sodium lauryl sulphate (90%) (SLS)	5.000
	Methylparaben	0.025
	Propylparaben	0.015

COLIPA Formulations		
Name	Ingredient	% Conc. (w/w)
Emulsion antiperspirant	Aluminium chlorhydrate (50% ACH in water)	24.00 (12% ai)
	PPG-15 Stearyl ether	4
	Steareth 2 / steareth 21	3.20
	Dichlorobenzyl alcohol	0.10
	Euxyl K400	0.08
	Bronopol	0.02
	Deionised water	68.60
Hair styling lotion	Ethyl Alcohol	65.00
	PVP/VA 70:30 50%	10.00
	Dimethicone copolyol	0.25
	Water, purified	24.75
Hand Cleanser	Deionised water	50-95
	Mineral spirits	24-40
	Tall oil fatty acid	<4
	Nonoxynol-6	<4
	Nonoxynol-9	<4
	Carbomer-940	<1
	Sodium hydroxide	<1
	Lanolin	<0.05
	Methylparaben	<0.05
Propylparaben	<0.05	
Liquid Soap No. 1	Water & volatiles	65.0-85.0
	Ammonium lauryl sulphate (ALS)	1.0-10.0
	Sodium laureth sulphate (SLES)	1.0-10.0
	Lauramide DEA	1.0-10.0
	Glycerin	1.0-10.0
	Isostearamidopropyl morpholine lactate	0.1-1.0
	Disodium ricinoleamido MEA-sulfosuccinate	0.1-1.0
	DMDM Hydantoin	0.1-10.0
	Citric acid	0.1-10.0
	Triclosan	0.1-10.0
	Tetrasodium EDTA	<0.1
	FD&C Yellow No. 5	<0.1
	FD&C Red No. 4	<0.1
Shampoo - Anti dandruff	Water, purified	qs 100.00
	Ammonium laureth-3 sulphate (ALES)	10.4160
	Ammonium lauryl sulphate (ALS)	9.5000
	Zinc pyrithione, small platelet	1.0000
	Glycol distearate	2.0000
	Ammonium xylene sulphonate	0.8000
	Cocoamide MEA	1.2750
	Sodium chloride	0.9450
	Citric acid anhydrous	0.4975
	DMDM Hydantoin (Glydant)	0.0550

<b>COLIPA Formulations</b>		
<b>Name</b>	<b>Ingredient</b>	<b>% Conc. (w/w)</b>
Polishing scrub	Water	33.85
	Mineral oil	10.00
	Lauroamphocarboxyglycinate (25%)	8.80
	Sodium trideceth sulphate (16%)	9.40
	Petroleum	6.60
	Isopropyl palmitate	6.60
	Propylene glycol	5.00
	Cetyl palmitate	4.40
	Glyceryl stearate and PEG (M) stearate	4.40
	Aluminium silicate	3.00
	Cetyl alcohol	2.50
	Polypropylene	2.50
	Magnesium aluminium silicate	1.00
	Titanium dioxide	0.50
	Hexylene glycol	0.40
	Imidazolidiny urea	0.30
	Methylparaben	0.30
	Lactic acid	0.25
	Propylparaben	0.20
Hand soap	Water	37.95
	Sodium C14-16 olefin sulphonate (36%)	20.25
	Sodium lauroyl sarcosinate	20.00
	Cocamidopropyl hydroxysultaine	8.00
	Glycol stearate	3.00
	Propylene glycol	3.00
	PPG-12-PEG-50 lanolin	3.00
	Polyquaternium-7	2.00
	Citric acid	1.00
	Hydrolyzed animal protein	1.00
	Polyquaternium-10	0.50
	Quaternium-15	0.20
Aloe vera gel	0.10	

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## EC/HO Study Chemicals by Class



	MMAS
<b>Acids</b> (four chemicals, five tests)	
Trichloroacetic acid (3%)	6.7
Dibenzoyl-L-tartaric acid*†	36.7
L-Aspartic acid*†	37.3
2,2-Dimethylbutanoic acid	44.7
Trichloroacetic acid (30%)‡	106
<b>Acyl halide</b> (one chemical)	
2,6-Dichlorobenzoyl chloride	23.8
<b>Alcohols</b> (none chemicals)	
Glycerol	1.7
Ethanol*	24.0
2,5-Dimethylhexanediol*†	28.3
Isopropanol†	30.5
<i>n</i> -Octanol	41.0
2-Ethyl-hexanol	51.3
Isobutanol‡	60.3
<i>n</i> -Hexanol	64.8
Cyclohexanol	79.8
<b>Aldehyde</b> (one chemical)	
4-Carboxybenzaldehyde†	50.3
<b>Alkalis</b> (one chemical, two tests)	
Sodium hydroxide (1%)‡	25.8
Sodium hydroxide (10%)	108
<b>Esters</b> (six chemicals)	
Ethyl trimethylacetate	3.8
<i>n</i> -Butyl acetate	7.5
Ethyl acetate‡	15.0
Ethyl-2-methylaetoacetate	18.0
Methyl cyanoacetate	27.7
Methyl acetate‡	39.5
<b>Heterocyclics</b> (three chemicals)	
Tetraaminopyrimidine sulfate*†	10.3
Pyridine*	48.0
Imidazole*†	59.3
<b>Hydrocarbons</b> (two chemicals)	
Methylcyclopentane	3.7
Toluene	9.0
<b>Inorganic chemicals</b> (four chemicals)	
Ammonium nitrate†	18.3
Sodium perborate 4H <sub>2</sub> O†	30.5
Potassium cyanate*†	31.3
Sodium oxalate*†	61.3
<b>Ketones</b> (three chemicals)	
Methylisobutylketone	4.8
Methylethylketone‡	50.0
Acetone‡	65.8
<b>Organosphosphate</b> (one chemical)	
Dibenzyl phosphate*†	30.0
<b>Pesticides</b> (five chemicals)	
Fomesafen (acid form)* †	13.5
Maneb*†	14.3
1-Naphthalene acetic acid*†	46.7
1-Naphthalene acetic acid, Na salt*†	64.5
Captan 90 concentrate*†	83.0
<b>Surfactants</b> (six chemicals, 12 tests)	
<i>Anionics</i>	
Sodium lauryl sulfate (3%)	16.0
Sodium lauryl sulfate (15%)‡	59.2

<b>Cationics</b>	
Benzalkonium chloride [1]/[2] (1%)	34.3 / 56.3
Benzalkonium chloride (5%)	83.8
Benzalkonium chloride (10%)	108.0
Cetylpyridinium bromide (0.1%)	2.7
Cetylpyridinium bromide (6%)	85.8
Cetylpyridinium bromide (10%)	89.7
<b>Nonionics</b>	
Polyethylene glycol 400	0.0
Tween 20	4.0
Triton X-100 [1]/[2] (5%)	32.3 / 33.8
Triton X-100 (10%)	68.7
<b>Miscellaneous</b> (six chemicals)	
Gamma-butyrolactone*	43.0
Thiourea*†	-
Parafluoroaniline	69.8
Promethazine HCl*†	71.7
Quinacrine*†	82.0
Chlorhexidine*†	82.3

\*22 chemicals not from ECETOC reference chemicals data bank; †20 solids; †10 chemicals used in the preliminary study; [1]/[2] = two tests on the same chemical in the same laboratory.

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**ANNEX E**  
**(Study and Test Material Relationship)**

Test Substance / Chemical	Company # 1 (Bruner, Miller et al. 1991)	Several companies (Bagley, Bruner et al. 1992)	Company # 2 (Catroux, Rougier et al. 1993)	EC/HO (Balls, Botham et al. 1995)	COLIPA (Harbell, Osborne et al. 1999)
Tween 20 (100%)	X	X	X	X	X
Triethanolamine	X	X			
Sodium dodecyl sulphate (40%)	X				
Benzalkonium chloride (10%)	X			X	
10% ethyl acetate in Tween 80		X			
1% CTAC		X	X		
(Cetyltrimethylammoniumchloride)		X	X		
10% Triton X-100		X	X	X	X
10% CTAB		X	X		
(cetyltrimethylammoniumbromide)		X	X		
10% sodium lauryl sulphate		X	X		
10% Tween 20		X	X		
10% MTAB		X	X		
(myristyltrimethylammonium bromide)		X	X		
10% Tween 80		X	X		
5% sodium lauryl sulphate		X	X		
18% citric acid		X			
Dodecanol*			X		
1,2-Dodecanediol*			X		
Decanol, dodecanol*			X		
1-Dodecylloxytri, pentadecanol*			X		
Sodium laurylsarconinate			X		
Ammonium laurylsulphate			X		
Blend of sodium and magnesium laurylethersulphate			X		
Triethanolamine laurylsulphate			X		
Sodium laurylethersulphate			X		
Miranol			X		
Dehyton AB 30			X		
Pyridinium cetyl bromide				X	
Sodium hydroxide (10%)				X	
Trichloroacetic acid (30%)				X	

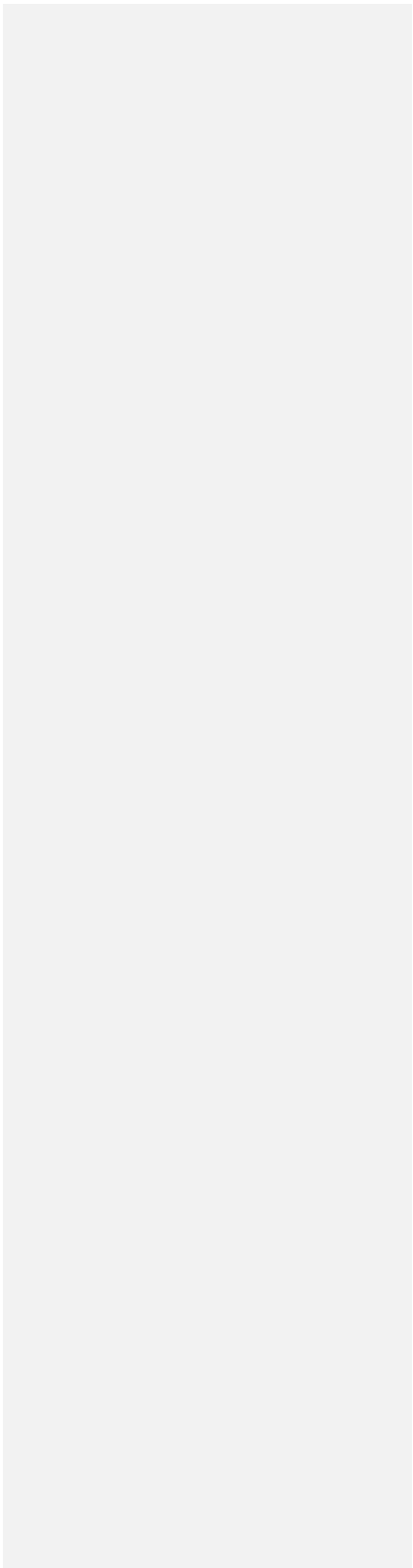
Test Substance / Chemical	Company # 1 (Bruner, Miller et al. 1991)	Several companies (Bagley, Bruner et al. 1992)	Company # 2 (Catroux, Rougier et al. 1993)	EC/HO (Balls, Botham et al. 1995)	COLIPA (Harbell, Osborne et al. 1999)
Cetylpyridinium bromide (10%)				X	
Cetylpyridinium bromide (6%)				X	
Benzalkonium chloride (5%)				X	X
Captan 90 concentrate				X	
Chlorhexidine				X	
Cyclohexanol				X	
Quinacrine				X	
Promethazine HCl				X	
Parafluoraniiline				X	
Acetone				X	
n-Hexanol				X	
1-Naphthalene acetic acid (Na salt)				X	
Sodium oxalate				X	
Isobutanol				X	
Imidazole				X	X
Sodium lauryl sulfate (15 %)				X	X
2-Ethyl-1-hexanol				X	
4-Carboxybenzaldehyde				X	
Methyl ethyl ketone				X	X
Pyridine				X	
1-Naphthalene acetic acid				X	
Benzalkonium chloride (1 %) (1x)				X	X
Benzalkonium chloride (1 %) (2x)				X	X
2,2-Dimethylbutanoic acid				X	
Gammabutyrolactone				X	
Thiourea				X	
n-Octanol				X	
Methyl acetate				X	
L-Aspartic acid				X	
Benzoyl-L-tartaric acid				X	
Triton X-100 (5 %) (1x)				X	X

Test Substance / Chemical	Company # 1 (Bruner, Miller et al. 1991)	Several companies (Bagley, Bruner et al. 1992)	Company # 2 (Catroux, Rougier et al. 1993)	EC/HO (Balls, Botham et al. 1995)	COLIPA (Harbell, Osborne et al. 1999)
Triton X-100 (5 %) (2x)				X	X
Potassium cyanate				X	
Isopropanol				X	X
Sodium perborate, 4H <sub>2</sub> O				X	
Dibenzyl phosphate				X	
2,5-Dimethylhexanediol				X	
Methyl cyanoacetate				X	
Sodium hydroxide (1%)				X	X
Ethanol				X	
2,6-Dichlorobenzoyl chloride				X	
Ammonium nitrate				X	
Ethyl-2-methylacetoacetate				X	
Sodium lauryl sulfate (3 %)				X	X
Ethyl acetate				X	X
Maneb				X	
Fomesafen				X	
Tetraaminopyrimidine sulfate				X	
Toluene				X	
n-Butyl acetate				X	X
Trichloroacetic acid (3%)				X	
Methyl isobutyl ketone				X	
Ethyl trimethyl acetate				X	
Methylcyclopentane				X	
Cetylpyridinium bromide (0.1%)				X	
Glycerol				X	X
Polyethylene glycol 400				X	X
Propylene glycol				X	X
1% Triton X-100				X	X
30% Sodium lauryl sulphate				X	X
10% Benzalkonium chloride				X	X

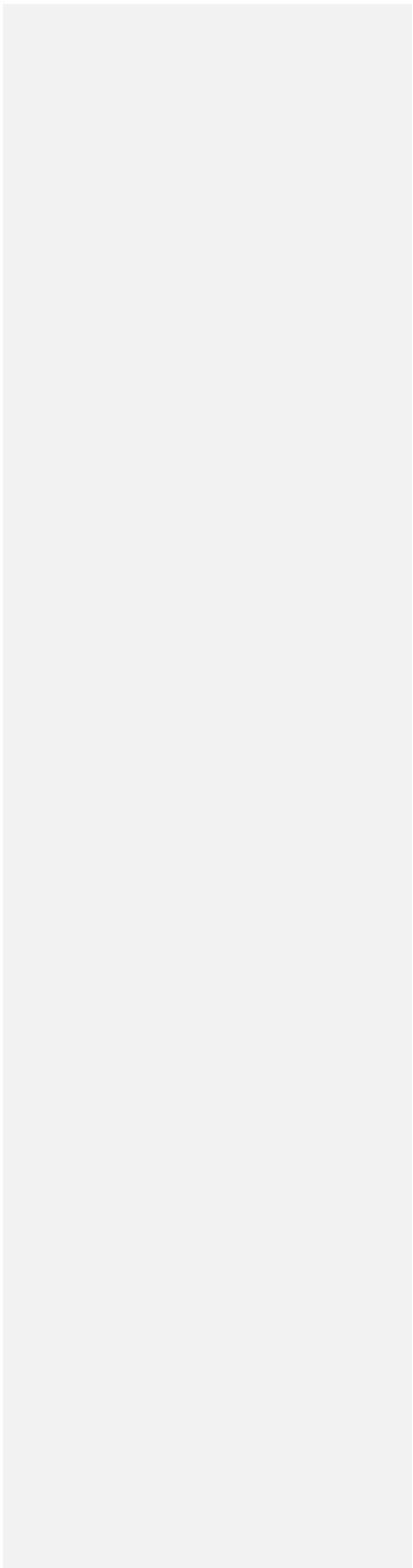
\* - etherified



**ANNEX F  
(Study Reports)**



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**CTFA Phase III Study Report**

**Commento [c7]:** It is not Possible to correct the text inside. There are some company names.

FINAL REPORT

Study Title

**MICROPHYSIOMETER BIOASSAY USING L929 CELLS**

Test Articles

PGB-1; PGC-1; PGD-1; PGE-1; PGF-1; PGG-1; PGH-1;  
PGI-1; PGJ-1; PGK-1; PGL-1; PGM-1; PGN-1;  
PGO-1; PGP-1; PGQ-1; PGR-1; PGS-1; PGT-1;  
PGU-1; PGV-1; PGW-1; PGX-1; PGY-1; PGZ-1

Author

John W. Harbell, Ph.D.

Study Completion Date

September 29, 1992

Performing Laboratory

Microbiological Associates, Inc.  
9900 Blackwell Road  
Rockville, Maryland 20850

Laboratory Project Number

A000080

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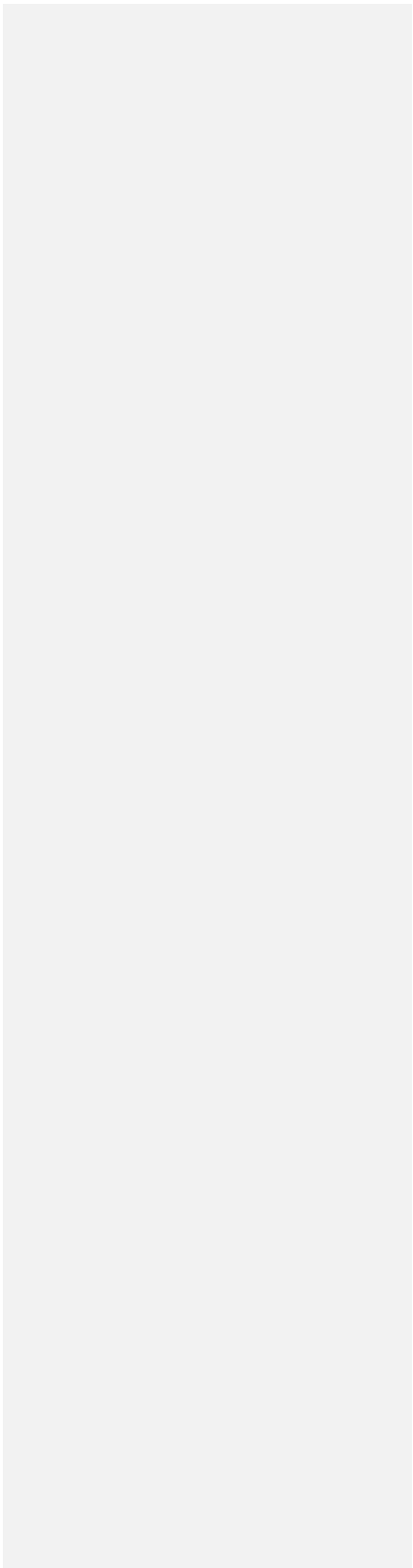
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PROTOCOL AMENDMENT..... 1-2

APPENDIX B ..... B1-B107



**SIGNATURE PAGE**  
**MICROPHYSIOMETER BIOASSAY USING L929 CELLS**

Initiation Date: July 28, 1992

Completion Date: September 29, 1992

Sponsor: The Procter & Gamble Company  
PO Box 398707  
11810 East Miami River Road  
Cincinnati, OH 45239-8707

Sponsor's Investigator: Leon H. Bruner, DVM, Ph.D.

Testing Facility and Archive Location: Microbiological Associates, Inc.  
9900 Blackwell Road  
Rockville, Maryland 20850

Study Director: John W. Harbell, Ph.D.                      Date

**TEST ARTICLE RECEIPT**

**Test Articles**

<b>MA Test Article Number</b>	<b>Sponsor's Designation</b>	<b>Physical Description</b>	<b>Receipt Date</b>	<b>Storage Conditions</b>
A782	PGB-1	Yellow, semi-viscous liquid	07/21/92	Room Temperature
A783	PGC-1	Light red, semi-viscous liquid	07/21/92	Room Temperature
A784	PGD-1	White, viscous cream	07/21/92	Room Temperature
A785	PGE-1	Colorless, semi-viscous liquid	07/21/92	Room Temperature
A786	PGF-1	Colorless, nonviscous liquid	07/21/92	Room Temperature
A787	PGG-1	Colorless, non-viscous liquid	07/21/92	Room Temperature
A788	PGH-1	Colorless, non-viscous liquid	07/21/92	Room Temperature
A789	PGI-1	White, semi-viscous cream	07/21/92	Room Temperature
A790	PGJ-1	White, semi-viscous cream	07/21/92	Room Temperature
A791	PGK-1	Blue, semi-viscous liquid	07/21/92	Room Temperature
A792	PGL-1	Light tan, non-viscous liquid	07/21/92	Room Temperature
A793	PGM-1	Light yellow, semi-viscous liquid	07/21/92	Room Temperature
A794	PGN-1	White, viscous cream	07/21/92	Room Temperature
A795	PGO-1	Yellow, semi-viscous liquid	07/21/92	Room Temperature
A796	PGP-1	Yellow, semi-viscous liquid	07/21/92	Room Temperature
A797	PGQ-1	Colorless, semi-viscous liquid	07/21/92	Room Temperature
A798	PGR-1	Yellow, semi-viscous liquid	07/21/92	Room Temperature
A799	PGS-1	Green, semi-viscous cream	07/21/92	Room Temperature
A800	PGT-1	White, viscous cream	07/21/92	Room Temperature
A801	PGU-1	Yellow, non-viscous liquid	07/21/92	Room Temperature
A802	PGV-1	Light tan, semi-viscous liquid	07/21/92	Room Temperature
A803	PGW-1	White, semi-viscous cream	07/21/92	Room Temperature
A804	PGX-1	White, semi-viscous cream	07/21/92	Room Temperature
A805	PGY-1	Colorless, viscous gel	07/21/92	Room Temperature
A806	PGZ-1	Green, semi-viscous liquid	07/21/92	Room Temperature

## SUMMARY

MA Number	Sponsor's Designation	Assay	Endpoint	Result
A782	PGB-1	MICROPHYS	MRD-50 (mg/ml)	2.13
A783	PGC-1	MICROPHYS	MRD-50 (mg/ml)	0.646
A784	PGD-1	MICROPHYS	MRD-50 (mg/ml)	6.19
A785	PGE-1	MICROPHYS	MRD-50 (mg/ml)	2.53
A786	PGF-1	MICROPHYS	MRD-50 (mg/ml)	32.0
A787	PGG-1	MICROPHYS	MRD-50 (mg/ml)	2.25
A788	PGH-1	MICROPHYS	MRD-50 (mg/ml)	1.13
A789	PGI-1	MICROPHYS	MRD-50 (mg/ml)	5.14
A790	PGJ-1	MICROPHYS	MRD-50 (mg/ml)	0.790
A791	PGK-1	MICROPHYS	MRD-50 (mg/ml)	0.845
A792	PGL-1	MICROPHYS	MRD-50 (mg/ml)	0.825
A793	PGM-1	MICROPHYS	MRD-50 (mg/ml)	2.51
A794	PGN-1	MICROPHYS	MRD-50 (mg/ml)	55.8
A795	PGO-1	MICROPHYS	MRD-50 (mg/ml)	2.00
A796	PGP-1	MICROPHYS	MRD-50 (mg/ml)	2.89
A797	PGQ-1	MICROPHYS	MRD-50 (mg/ml)	6.54
A798	PGR-1	MICROPHYS	MRD-50 (mg/ml)	2.53
A799	PGS-1	MICROPHYS	MRD-50 (mg/ml)	0.747
A800	PGT-1	MICROPHYS	MRD-50 (mg/ml)	>500
A801	PGU-1	MICROPHYS	MRD-50 (mg/ml)	7.31
A802	PGV-1	MICROPHYS	MRD-50 (mg/ml)	1.35
A803	PGW-1	MICROPHYS	MRD-50 (mg/ml)	0.786
A804	PGX-1	MICROPHYS	MRD-50 (mg/ml)	2.34
A805	PGY-1	MICROPHYS	MRD-50 (mg/ml)	0.748
A806	PGZ-1	MICROPHYS	MRD-50 (mg/ml)	2.99



## MICROPHYSIOMETER BIOASSAY

The purpose of this study was to evaluate the potential toxicity of 25 test articles supplied by Batelle as measured by a test article induced reduction in the acidification rate of a population of L929 cells using the Silicon Microphysiometer. The methodology followed and the calculations performed were as detailed in the protocol and protocol amendment (Appendix A). The laboratory phase of this study was conducted from July 28, 1992 to September 17, 1992 at Microbiological Associates, Inc. Each of the test articles was tested in a dose range finding assay and at least two definitive assays (a minimum of six dose levels in each assay) to determine the concentration of test article resulting in the MRD<sub>50</sub> end point (the concentration causing 50% reduction in the acidification rate of a population of L929 cells).

According to instruction, ten designated test articles were diluted (25% W/V) in distilled water prior to each assay. The diluted sample was treated as the neat test article for the duration of this study.

The solubility of each test article was determined in MDMEM. An aliquot of test article was measured and placed in a glass tube. MDMEM was added to achieve a 300 mg/ml mixture and the tube was vortexed. A workable suspension or a solution was obtained for each test article. Additionally, the pH value of each neat, liquid test article (including 10 diluted test articles) and the pH value of the highest concentration of each test article in MDMEM were determined and are reported in Table 2.

Table 1 and 2 summarize the MRD<sub>50</sub> results of the preliminary and definitive microphysiometer assays for the test articles and the positive control. The dose response curves for each test article and the positive control are included in Appendix B. The positive control values from each run fell within two standard deviations of the historical mean (0.0546 to 0.114 mg/ml), thereby meeting the acceptance criteria.

**Table 1**  
**(Positive Control)**

Date	MRD <sub>50</sub> (mg/ml)
7/28/92	0.0650
7/29/92	0.0802
8/3/92	0.0861
8/4/92	0.0869
8/5/92	0.0806
8/10/92	0.0746
8/11/92	0.0881
8/12/92	0.0736
8/17/92	0.0863
8/18/92	0.0906
8/19/92	0.0904
8/24/92	0.0803
8/25/92	0.0838
8/26/92	0.0857
9/14/92	0.0921
9/15/92	0.102
9/16/92	0.0856
9/17/92	0.0845
Mean	0.0842
Standard Deviation	0.00786

**Table 2**

Test Article	MRD <sub>50</sub> (mg/ml)						pH Neat	pH in MDMEM
	Prelim	Trial1	Trial2	Trial3	Trial4	Mean		
PGB-1	1.53	2.48	2.38			2.13	6.0	6.5
PGC-1	0.371	0.795	0.771			0.646	6.0	5.5
PGD-1*	5.94	36.4 <sup>2</sup>	7.86	2.41	8.53	6.19	5.5	6.5
PGE-1*	2.60	7.17 <sup>1</sup>	2.57	2.41		2.53	6.0	6.5
PGF-1	43.1	67.2 <sup>1</sup>	24.7	28.1		32.0	7.0	7.0
PGG-1*	2.42	7.04 <sup>1</sup>	2.52	1.81		2.25	6.5	7.0
PGH-1	0.762	1.57	1.07			1.13	6.5	6.5
PGI-1*	2.55	6.85	4.95	6.19		5.14	6.5	5.5
PGJ-1	0.152 <sup>1</sup>	0.661	0.251	0.828	1.42	0.790	6.0	6.0
PGK-1	0.0782 <sup>1</sup>	0.805	0.895	0.836		0.845	6.0	6.0
PGL-1	0.0768 <sup>1</sup>	0.823	0.844	0.807		0.825	4.5	4.5
PGM-1*	2.46	2.55	2.51			2.51	6.0	6.5
PGN-1	73.7	47.8	25.2	76.6		55.8	6.0	6.5
PGO-1*	2.40	1.15	2.46			2.00	5.5	6.0
PGP-1*	2.61	3.73	2.34			2.89	5.5	6.0
PGQ-1	1.93 <sup>1</sup>	6.83	4.37	8.43		6.54	6.0	5.5
PGR-1*	2.45	2.58	2.56			2.53	6.0	6.5
PGS-1	0.904	0.668	0.668			0.747	7.5	7.0
PGT-1	189 <sup>1</sup>	>500	>500	>500		>500	6.0	6.0
PGU-1	8.62	6.74	6.57			7.31	7.5	6.5
PGV-1*	0.888	2.49	0.701	1.33		1.35	3.0	3.2
PGW-1	0.824	0.830	0.705			0.786	6.5	6.5
PGX-1*	1.97	2.73	2.33			2.34	6.5	6.5
PGY-1	0.666	0.859	0.719			0.748	6.0	6.0
PGZ-1	4.08	2.34	2.56			2.99	6.0	6.0
SLS	\$	\$	\$	\$	\$	0.0842	NA	NA

NA - Not Applicable

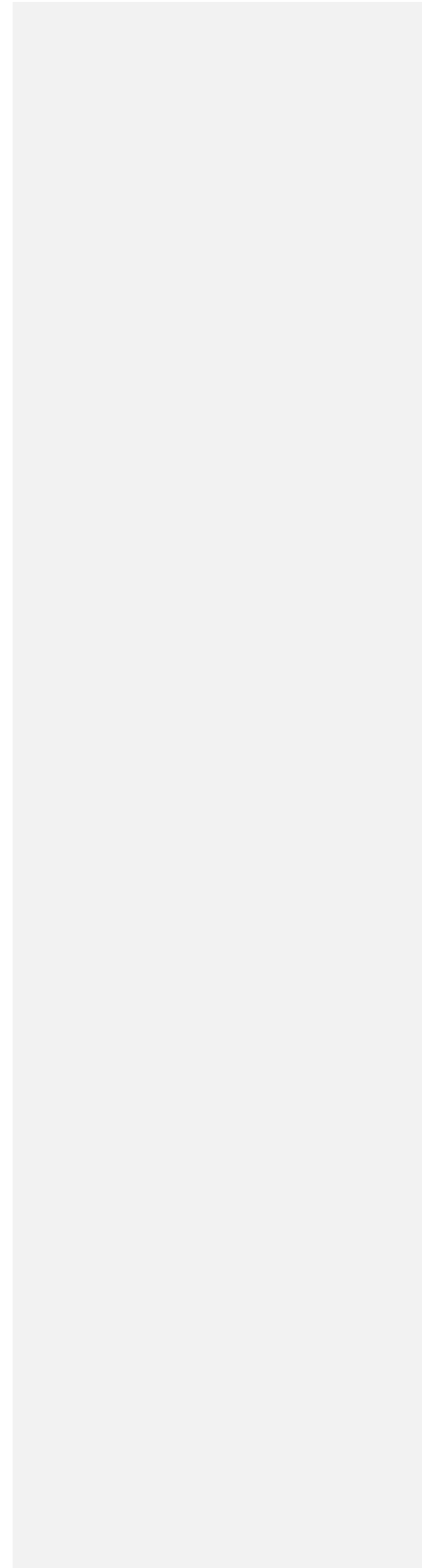
\* - Diluted 25% W/V in Distilled Water

1 - Considered as Outliers, Not Included in the Average Calculation.

2 - Invalid Data, Not Included in the Average Calculation.

\$ - See Table 1

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**COLIPA Study Report and Decoding Information**

**Commento [c8]:** It is not Possible to correct the text inside. There are some company names.

**FAX FROM**

**BIBRA International**

Woodmansterne Road, Crowthorne, Surrey RG5 4DS, Great Britain  
Telephone: 0181-652 1000 Fax: 0181-661 7029



**TO:** Dr John Harbell **COMPANY:** Microbiological Associates, Inc.

**FAX NO:** 001 301 738 1038

**DATE:** 29 April 1998

**FROM:** Mrs Pat Aspin on behalf of  
Dr Paul G Branton, Head of Division Customer & Information Services

**NO. PAGES** (including cover sheet) **3**  
If you do not receive all pages or quality is poor, please phone 0181-652 1000

**Laboratory no:** 27  
**Assay:** Silicon Microphysiometer

Dear Dr Harbell

The COLIPA study to assess the validity of *in vitro* alternatives to the Draize eye irritation test

We have been requested by the Management Team to release to your laboratory the docodes for each of the samples tested in the above study. Please find this list attached.

Should you have any queries please do not hesitate to contact me.

Yours sincerely

A handwritten signature in black ink, appearing to read "Pat Aspin".

Pat Aspin

**COLIPA study to assess the validity of *in vitro* alternatives to the Draize eye irritation test**

Laboratory no. <b>27</b>		Assay: Silicon Microphalometer	
Code used for statistical analyses	Sample		Code supplied to laboratories
1	Blush		2774
2	Eye liner		2906
3	Perfumed skin lotion		3507
4	Polishing scrub		2718
5	Shampoo no.1 - normal		2082
6	Eye make-up remover		2237
7	Hand cleanser		3458
8	Hair dye base formulation no. 1		3883
9	n-Butyl acetate		2366
10	Imidazole		2056
11	Polystyrene glycol 400		3509
12	Propylene glycol		3872
13	Triton X-100 1%		3740
14	Glycerol		3453
15	Tween 20		2171
16	Ethyl acetate		3568
17	Sodium lauryl sulphate 3%		2089
18	Sodium hydroxide 1%		3524
19	Isopropanol		2356
20	Triton X-100 5%		3806
21	Benzalkonium chloride 1%		3309
22	Methyl ethyl ketone		3570
23	Sodium lauryl sulphate 15%		2721
24	Sodium lauryl sulphate 30%		2079
25	Triton X-100 10%		3244
26	Benzalkonium chloride 5%		3770
27	Benzalkonium chloride 10%		2174

continued...

**COLIPA study to assess the validity of *In vitro* alternatives to the Draize eye irritation test**

Laboratory no. 27		Assay: Silicon Microphysiometer
Code used for statistical analyses	Sample	Code supplied to laboratories
28	Pump deodorant / antiperspirant	2429
29	Sunscreen lotion	3584
30	Cologne	3651
31	Eye shadow	3169
32	Mascara	3166
33	Emulsion antiperspirant	3533
34	Gel deodorant	3645
35	Hand soap	2887
36	Shampoo - baby	3105
37	Sunscreen SPF 15	2993
38	Hair styling lotion	2115
39	Liquid soap no. 1	3343
40	Shampoo - antidandruff	2908
41	Shampoo - 2-in-1	2576
42	Hydrophilic ointment	2551
43	Mouthwash	3525
44	Toothpaste	2852
45	Cleansing foam III	3704
46	Hair conditioner	3855
47	Moisturiser with sunscreen	2639
48	Shower gel	2827
49	Skin cleanser	3213
50	Hair dye base formulation no. P	2352
51	Hair dye base formulation no. S	2947
52	Cetylpyridinium bromide 6%	3886
53	Cetylpyridinium bromide 10%	3099
54	Sodium hydroxide 10%	3031
55	Trichloroacetic acid 30%	3148



**Appendix 2**  
**Data Report Form**  
**COLIPA In Vitro Eye Irritation Validation Programme:**  
**PHASE 2**

CORE DATA Cytosensor Microphysiometer								SUPPLEMENTAL DATA
Sample ID	Physical Appearance	Log (MRD <sub>50</sub> ) (MRD <sub>50</sub> in ug/ml)				Predicted MMAS*	95% Confidence* (Lower/Upper)	
		Trial 1	Trial 2	Trial 3	Average			
2056	White flakes	4.40	4.22	4.17	4.26	4.31	-25.2/34.0	
2079	Clear colorless liquid	2.47	2.49	2.52	2.49	63.1	32.5/92.7	
2089	Clear colorless liquid	3.45	3.46	3.60	3.50	15.7	-13.9/45.5	
2092	Clear colorless liquid	2.71	2.97	2.90	2.86	40.9	11.6/71.2	
2115	Clear colorless liquid	5.20	5.24	5.21	5.22	0.783	-28.7/30.3	
2171	Clear pale yellow liquid	3.98	4.17	3.62	3.92	7.79	-21.6/37.8	
2174	Clear colorless liquid	2.46	2.60	2.44	2.50	62.8	32.5/92.7	
2337	Clear colorless liquid	4.94	4.94	4.95	4.95	1.28	-28.3/30.8	
2356	Clear colorless liquid	4.86	4.63	4.63	4.71	1.96	-27.6/31.5	
2365	Clear colorless liquid	Unsuitable for testing						
2392	Opaque viscous liquid	Unsuitable for testing						
2429	Clear colorless liquid	4.44	3.96	4.33	4.24	4.47	-25.2/34.0	
2551	Opaque viscous liquid	Unsuitable for testing						
2575	White paste	Unsuitable for testing						
2639	White cream	Unsuitable for testing						
2652	White cream	Unsuitable for testing						
2713	White cream	Unsuitable for testing						
2721	Clear colorless liquid	2.71	2.73	2.70	2.71	49.2	20.1/79.9	
2774	Red powder	Unsuitable for testing						
2827	White cream	Unsuitable for testing						
2887	Pale yellow opaque cream	Unsuitable for testing						
2906	Black cream	Unsuitable for testing						
2947	White cream	Unsuitable for testing						
2993	White cream	Unsuitable for testing						
3099	White suspension	Unsuitable for testing						
3105	Clear colorless liquid	3.50	3.47	3.15	3.38	19.3	-11.2/48.3	

3148	Clear colorless liquid	3.11	2.88	3.12	3.04	32.0	1.79/61.2	
3166	Black cream	Unsuitable for testing						
3169	Orange powder	Unsuitable for testing						
3213	Clear colorless liquid	2.79	2.87	2.73	2.79	44.5	14.3/74.0	
3244	Clear colorless liquid	3.46	3.26	3.43	3.38	19.2	-11.2/48.3	
3343	Clear yellow liquid	2.95	2.93	2.96	2.95	36.3	6.48/66.0	
3399	Clear colorless liquid	3.67	3.66	3.49	3.61	13.3	-16.3/43.2	
3453	Clear colorless liquid	5.27	5.35	5.37	5.33	0.635	-28.9/30.1	
3458	White cream	Unsuitable for testing						
3507	White cream	Unsuitable for testing						
3524	Clear colorless liquid	3.98	3.99	3.90	3.96	7.35	-22.3/37.1	
3525	Clear pink liquid	4.53	4.59	4.61	4.58	2.47	-27.2/31.9	
3533	White cream	Unsuitable for testing						
3568	Clear colorless liquid	Unsuitable for testing						
3584	White cream	Unsuitable for testing						
3589	Clear colorless liquid	> 5.50	> 5.50	5.41	> 5.41	< 0.553	>-29.0/<30.1	
3631	Clear colorless liquid	3.65	3.62	3.64	3.64	12.6	-17.4/42.1	2.92
3645	Clear blue liquid	3.70	3.57	3.92	3.73	10.8	-19.3/40.2	
3651	Clear amber liquid	Unsuitable for testing						
3704	White cream	Unsuitable for testing						
3740	Clear colorless liquid	4.41	4.31	4.24	4.32	3.91	-25.6/33.7	
3770	Clear colorless liquid	2.94	2.94	2.84	2.91	38.4	9.00/68.5	
3806	Clear colorless liquid	3.65	3.63	3.72	3.67	12.0	-17.4/42.1	> 3.00
3855	Pale yellow cream	Unsuitable for testing						
3870	Clear colorless liquid	4.73	4.76	4.71	4.73	1.87	-27.7/31.4	
3872	Clear colorless liquid	5.42	5.43	5.42	5.42	0.538	-28.9/30.1	
3883	White cream	Unsuitable for testing						
3886	White flaky suspension	3.10	3.09	3.20	3.13	28.1	-2.46/56.9	
3908	Opaque liquid	Unsuitable for testing						

\* Values to be determined by parties directed by the management team.

Performing Laboratory Code No.: 27

Study Director for

Performing Laboratory: John W. Harbell, Ph.D.  
(print)

John W. Harbell  
(signature)

May 12, 1995  
(date)

Assays Supervised by: Hans A. Raabe, M.S.  
(print)

Hans Raabe  
(signature)

May 15, 1995  
(date)

Please return this form to:

Dr. David Lovell, COLIPA Data Coordinator, BIBRA Toxicology International Woodmansterne Road, Crashalton,  
SURREY, SM5 4DS, UK (Fax: 44-(0)81-661 7029)

Performing Laboratory Code No.: 27

Study Director for  
Performing Laboratory: John W. Harbell, Ph.D.  
(print)

John W. Harbell (signature) 6 July 95 (date)

Assays Supervised by: Hans A. Raabe, B.S.  
(print)

Hans Raabe (signature) 6 July 1995 (date)

Please return this form to:  
Dr. David Lovell, COLIPA Data Coordinator, BIBRA Toxicology International Woodmansterne Road,  
Crashalton, SURREY, SM5 4DS, UK (Fax: 44-(0)81-661 7029)

Table 2

Test Article	MRD <sub>50</sub> (mg/ml)								
	15/02/95	22/02/95	03/03/95	07/03/95	08/03/95	09/03/95	06/04/95	07/04/95	12/04/95
SLS	0.0858	0.0810	0.0676	0.0668	0.0916	0.0802	0.0828	0.0817	0.0804

Test Article	MRD <sub>50</sub> (mg/ml)								
	14/04/95	16/04/95	19/04/95	20/04/95	26/04/95	03/05/95	04/05/95	05/05/95	Mean
SLS	0.0867	0.0817	0.0852	0.0745	0.0861	0.0775	0.0822	0.0797	0.0807

*n=17*

*SD = 0.0066*

*CV = 8.2%*

FINAL REPORT

Study Title

**COLIPA Validation Study of the  
Cytosensor Microphysiometer Bioassay Using L929 Cells**

Test Articles

2056; 2079; 2089; 2092; 2115; 2171; 2174; 2337; 2356; 2365; 2392; 2429; 2551; 2575; 2639;  
2652; 2713; 2721; 2774; 2827; 2887; 2906; 2947; 2993; 3099; 3105; 3148; 3166; 3169; 3213;  
3244; 3343; 3399; 3453; 3458; 3507; 3524; 3525; 3533; 3568; 3584; 3589; 3631; 3645; 3651;  
3704; 3740; 3770; 3806; 3855; 3870; 3872; 3883; 3886; 3908

Author

John W. Harbell, Ph.D.

Study Completion Date

5 July 1995

Performing Laboratory

Microbiological Associates, Inc.  
9900 Blackwell Road  
Rockville, Maryland 20850

Study Numbers

A95BR08-A95BR62.200014

Laboratory Project Number

A000822

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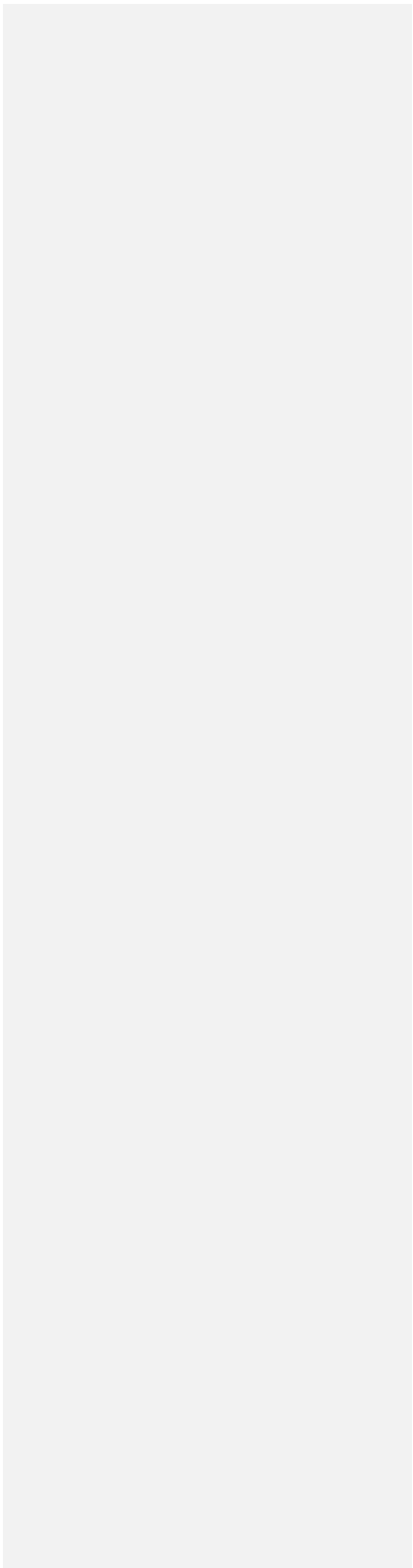
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**SIGNATURE PAGE**

**COLIPA Validation Study of the  
Cytosensor Microphysiometer Bioassay Using L929 Cells**

Initiation Date: 24 January 1995

Completion Date: 5 July 1995

Sponsor: The Procter & Gamble Company  
Technical Centre  
Rusham Park, Whitehall Lane  
Egham Surrey TW20 9NW

Sponsor's Representative: Leon Bruner, D.V.M., Ph.D

Testing Facility and Archive Location: Microbiological Associates, Inc.  
9900 Blackwell Road  
Rockville, Maryland 20850

Study Director: John W. Harbell, Ph.D. Date

Laboratory Supervisor: Hans A. Raabe, B.S.

**TEST ARTICLE RECEIPT**

MA Test Article Number	Sponsor's Designation	Physical Description	pH <sup>†</sup>	Receipt Date	Storage Conditions **
94BR08	2056	white flakes	NA	11/28/94	room temperature
94BR09	2079	clear colorless liquid	6.0	11/28/94	room temperature
94BR10	2089	clear colorless liquid	6.0	11/28/94	room temperature
94BR11	2092	clear colorless liquid	7.0	11/28/94	room temperature
94BR12	2115	clear colorless liquid	6.5	11/28/94	room temperature
94BR13	2171	clear pale yellow liquid	5.0	11/28/94	room temperature
94BR14	2174	clear colorless liquid	4.5	11/28/94	room temperature
94BR15	2337	clear colorless liquid	5.0	11/28/94	room temperature
94BR16	2356	clear colorless liquid	6.0	11/28/94	room temperature
94BR17	2365	clear colorless liquid	NA	11/28/94	room temperature
94BR18	2392	opaque viscous liquid	NA	11/28/94	room temperature
94BR19	2429	clear colorless liquid	3.5	11/28/94	room temperature
94BR20	2551	opaque viscous liquid	NA	11/28/94	room temperature
94BR21	2575	white paste	NA	11/28/94	room temperature
94BR22	2639	white cream	NA	11/28/94	room temperature
94BR23	2652	white cream	NA	11/28/94	room temperature
94BR24	2713	white cream	NA	11/28/94	room temperature
94BR25	2721	clear colorless liquid	6.0	11/28/94	room temperature
94BR26	2774	red powder	NA	11/28/94	room temperature
94BR27	2827	white cream	NA	11/28/94	room temperature
94BR28	2887	pale yellow opaque cream	NA	11/28/94	room temperature
94BR29	2906	black cream	NA	11/28/94	room temperature
94BR30	2947	white cream	NA	11/28/94	room temperature
94BR31	2993	white cream	NA	11/28/94	room temperature
94BR32	3099	white suspension	NA	11/28/94	room temperature
94BR33	3105	clear colorless liquid	8.0	11/28/94	room temperature
94BR34	3148	clear colorless liquid	0.0	11/28/94	room temperature



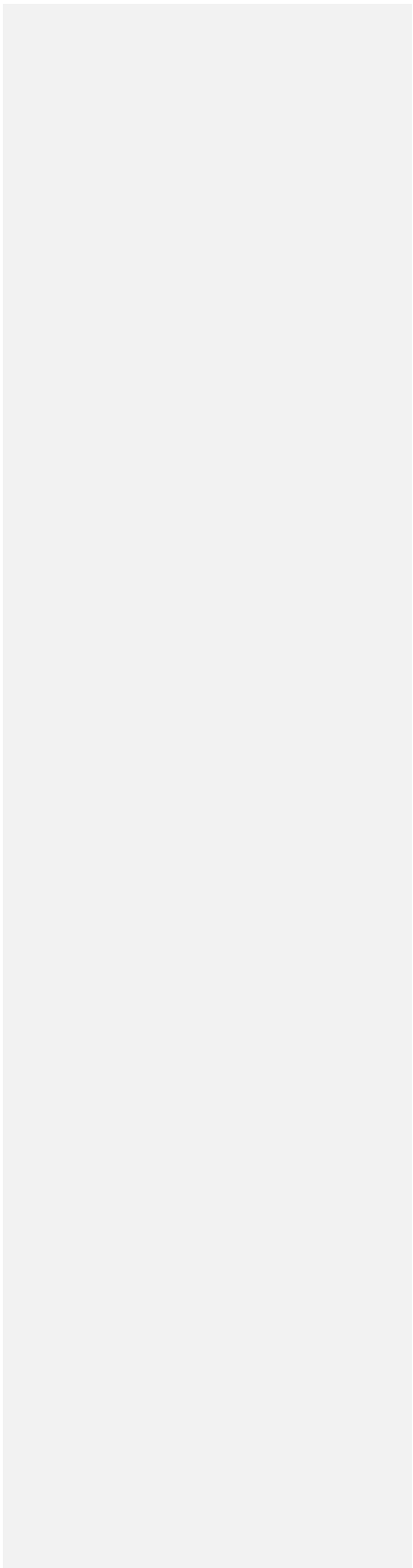
94BR35	3166	black cream	NA	11/28/94	room temperature
94BR36	3169	orange powder	NA	11/28/94	room temperature
94BR37	3231	clear colorless liquid	5.8	11/28/94	room temperature
94BR38	3244	clear colorless liquid	5.5	11/28/94	room temperature
94BR39	3343	clear yellow liquid	7.0	11/28/94	room temperature
94BR40	3399	clear colorless liquid	6.5	11/28/94	room temperature
94BR41	3453	clear colorless liquid	6.5	11/28/94	room temperature
94BR42	3458	white cream	NA	11/28/94	room temperature
94BR43	3507	white cream	NA	11/28/94	room temperature
94BR44	3524	clear colorless liquid	14.0	11/28/94	room temperature
94BR45	3525	clear pink liquid	3.0	11/28/94	room temperature
94BR46	3533	white cream	NA	11/28/94	room temperature
94BR47	3568	clear colorless liquid	NA	11/28/94	room temperature
94BR48	3584	white cream	NA	11/28/94	room temperature
94BR49	3589	clear colorless liquid	6.0	11/28/94	room temperature
94BR50	3631	clear colorless liquid	14.0	11/28/94	room temperature
94BR51	3645	clear blue liquid	5.5	11/28/94	room temperature
94BR52	3651	clear amber liquid	NA	11/28/94	room temperature
94BR53	3705	white cream	NA	11/28/94	room temperature
94BR54	3740	clear colorless liquid	6.0	11/28/94	room temperature
94BR55	3770	clear colorless liquid	5.5	11/28/94	room temperature
94BR56	3806	clear colorless liquid	5.5	11/28/94	room temperature
94BR57	3855	pale yellow cream	NA	11/28/94	room temperature
94BR58	3870	clear colorless liquid	5.5	11/28/94	room temperature
94BR59	3872	clear colorless liquid	5.5	11/28/94	room temperature
95BR60	3883	white cream	NA	11/28/94	room temperature
95BR61	3886	white flaky suspension	6.0	11/28/94	room temperature
95BR62	3908	opaque liquid	NA	11/28/94	room temperature

NA - Not Applicable

\* - pH of Neat Test Article - Value obtained when possible

\*\* - Protected from exposure to light

**CYTOSENSOR MICROPHYSIOMETER BIOASSAY**



## INTRODUCTION

The Cytosensor Microphysiometer (Molecular Devices Corp., Menlo Park, CA) was used to assess the cytotoxicity of COLIPA test articles to L929 cells. The assay methodology was developed at Molecular Devices in collaboration with the Procter & Gamble Company. The Cytosensor Microphysiometer provides a method to measure test article induced alterations of cellular acidification rate in low-buffer culture medium. L929 cells were grown on capsule cups and loaded into a sensor chamber, the bottom of which is composed of a silicon chip. This chip is capable of detecting very small changes in pH. Low-buffer Modified Dulbecco's modified Eagle's Medium (without sodium bicarbonate, without fetal bovine serum, with additional sodium chloride) (MDMEM) is perfused across the cells in a stop/flow manner. When the flow is stopped, acidic metabolites build up and are detected by the silicon chip. Such acidification occurs at a reproducible rate in normal, undamaged cells. Cells which have received a toxic insult yield an altered (generally decreased) acidification rate. The microphysiometer bioassay for estimating the potential toxicity of a test article involves the exposure of a single population of cells to increasingly more concentrated test article doses (starting at the lowest concentration). The concentration of test article which causes a 50% decrease in basal acidification rate (MRD<sub>50</sub>) was determined.

The purpose of this study was to compare the ocular toxicity of the test material as predicted using the Cytosensor Microphysiometer method with historical rabbit Draize eye test data. The laboratory phase of this study was conducted from 24 January 1995 to 5 May 1995 at Microbiological Associates, Inc. on COLIPA materials supplied by The Procter & Gamble Company. After a dose range finding assay, the test articles were tested in at least three definitive assay to determine the concentration of test article resulting in the MRD<sub>50</sub> endpoint.

## MATERIALS AND METHODS

### Subculturing L929 Cells onto Capsule Cups

L929 cells were cultivated in 25 or 75 cm<sup>2</sup> flasks in DMEM supplemented with 10% fetal bovine serum (FBS), 2 mM L-glutamine, and 1 mM sodium pyruvate, (complete DMEM). Once the flasks were 85-100% confluent, the cells were subcultured onto capsule cups. The medium was aspirated from the flasks, and the cell sheets rinsed twice with five ml of calcium, magnesium-free phosphate buffered saline. Next, approximately two to four ml of Trypsin Solution (0.05%) was added to each flask to cover the cell sheet. The Trypsin Solution was removed after 15-30 sec (as soon as the cells begin to round up) and the flasks were incubated at room temperature for 2-6 minutes. Five ml of diluted complete DMEM (with 1% FBS) was added per flask, and the cells were removed by trituration. A 1:20 dilution of the cell suspension was made in PBS and the cells were counted using a hemacytometer. After the cells were counted, 8 to 6 x 10<sup>5</sup> cells/0.5 ml were aliquotted into each capsule cup. The cells on capsule cups were then incubated at 37 ± 1° C and 5 ± 1% CO<sub>2</sub> overnight.

One cell-containing capsule cup was then loaded into each of eight sensor chambers. Low-buffer DMEM (MDMEM) was perfused across the cells in a stop/flow manner. The cells were allowed to equilibrate (approximately 2 hours) to the medium perfusion, and control acidification rates were determined. Once the cellular acidification rate was stabilized (or slightly increasing), the introduction of test article was begun.

### Solubility and pH Determination

The solubility of each test article was determined in MDMEM. An aliquot of test article was measured and placed in a glass tube. MDMEM was added to achieve a 100 mg/ml mixture and the tube was vortexed for approximately one minute. As specified in the protocol, each mixture of test article in MDMEM was checked for complete solubility. Unless complete solubility was obtained, the test article was not tested. Other solvents were not tested.

The pH of the neat (liquid) test article was determined if possible (Test Article Receipt Table), and the pH of the highest concentration in MDMEM was determined and recorded in the workbook.

### Dose Range Finding Assay

A dose range finding assay was performed to establish an appropriate final testing range for each test article. Nine dilutions ranging from 0.0152 mg/ml to 100 mg/ml (spaced at 1/3 intervals) for each test article were prepared for the preliminary (dose range finding) assay. The cell population, on a capsule cup, was exposed to each concentration of a test article for approximately 810 sec after which time the test article was rinsed out of the chamber with MDMEM and the acidification rate measured. One cell population was sequentially exposed to each concentration of a test article, starting at the lowest concentration, until the cells became metabolically inactive or until the highest concentration had been administered.

### Microphysiometer Bioassay

Based on the results of the dose range finding assay, approximately nine test article concentrations were chosen for the definitive assays used to determine the MRD<sub>50</sub> (the concentration of test article which inhibits the acidification rate by 50%), these were made as a quarter log series that brackets the MRD<sub>50</sub>. Additionally, seven dilutions of the positive control (Sodium Lauryl Sulfate) (SLS) were prepared in MDMEM. At least three definitive microphysiometer assay were performed. These assays were conducted essentially the same way as the dose range finding assay.

### Presentation of Data

The acidification rates were calculated by the microphysiometer software. The mean slope of the basal acidification rate (the acidification rate prior to exposure to test article concentrations) was determined. All calculations were performed using a LOTUS 1-2-3 program on an IBM PC compatible computer. The raw acidification rate data were entered into the spreadsheet, and the following calculations were made:

$$\% \text{ of control rate} = \frac{\text{acidification rate after test article}}{\text{control acidification rate}} \times 100$$

Dose response curves were plotted with the % of control rate on the y-axis and the test article concentration on the x-axis. The MRD<sub>50</sub> was interpolated from the plots, and the MRD<sub>50</sub>s from each assay were averaged to obtain the final MRD<sub>50</sub> for each test article.

A predicted MMAS score was generated for each test article for which a mean log(MRD<sub>50</sub>) was obtained. The predicted MMAS was calculated using the formula developed by Osborne et al (The Procter & Gamble Company):

Install Equation Editor and double-  
click here to view equation.

Where A = 148.0, B = 1.813, and G = 2.329. This three parameter model was prepared from the combined historical data and is an unrestricted model as to the highest possible in vivo MMAS value.

## RESULTS AND DISCUSSION

### Dose Range Finding Assay

Nine doses of each of the suitable COLIPA's test articles were prepared for testing in the microphysiometer dose range finding assay. The results from the dose range finding assay for each test article are included in the Appendix B. The MRD<sub>50</sub> (the concentration causing 50% inhibition of acidification rate) for each test article is listed in Appendix B. Based upon the results of the dose range finding assay, approximately nine doses were selected for each test article for the initial definitive assay (see Materials and Methods).

### Cytosensor Bioassay

Table 1 summarizes the three best log of MRD<sub>50</sub> ( $\mu\text{g/ml}$ ) results of the microphysiometer assay for the test articles, predicted MMAS values and the 95% Confidence range. This table is the same table submitted to BIBRA (with signatures). Each test article soluble in MDMEM was tested in at least three independent microphysiometer assays. Test articles which were not completely soluble in MDMEM were not tested and recorded as "Unsuitable for testing" in the table. The MRD<sub>50</sub>s from individual trials as well as their mean were tabulated. The dose response curves for each test article are included in Appendix B. The positive control was tested each time a definitive experiment was performed and MRD<sub>50</sub> values from each definitive experiment are recorded in Table 2. Each positive control met the acceptance criteria (0.0633 to 0.0923 mg/ml). All dose response curves of the positive control are included in Appendix B.

Additional trials were performed for some test articles. For test articles, 2092, 3148, 3213, 3524, and 3631, additional trials were performed to rule out outliers which did not agree with rest of the results. For test article, 3524, an additional trial was performed since introduction of an air bubble interfered with one of the assays. For test article, 3806, an additional trial was performed since inappropriate dose concentrations were selected for a definitive assay. For each test article tested in this study, only three acceptable definitive trials were reported along with corresponding dose response curves in Appendix B.

For some trials, the channel with the baseline rate greater than 150 but less than 200 microvolts/sec were used. This is a deviation from the protocol. However, since the rates were individually checked and determined to be stable and acceptable, this deviation will not affect the study.

Table 1

CORE DATA Cytosensor Microphysiometer								SUPPLEMENTAL DATA
Sample ID	Physical Appearance	Log (MRD <sub>50</sub> ) (MRD <sub>50</sub> in µg/ml)				Predicted MMAS*	95% Confidence* (Lower/Upper)	
		Trial 1	Trial 2	Trial 3	Average			
2056	White flakes	4.40	4.22	4.17	4.26	4.31	-25.2/34.0	
2079	Clear colorless liquid	2.47	2.49	2.52	2.49	63.1	32.5/92.7	
2089	Clear colorless liquid	3.45	3.46	3.60	3.50	15.7	-13.9/45.5	
2092	Clear colorless liquid	2.71	2.97	2.90	2.86	40.9	11.6/71.2	
2115	Clear colorless liquid	5.20	5.24	5.21	5.22	0.783	-28.7/30.3	
2171	Clear pale yellow liquid	3.98	4.17	3.62	3.92	7.79	-21.6/37.8	
2174	Clear colorless liquid	2.46	2.60	2.44	2.50	62.8	32.5/92.7	
2337	Clear colorless liquid	4.94	4.94	4.95	4.95	1.28	-28.3/30.8	
2356	Clear colorless liquid	4.86	4.63	4.63	4.71	1.96	-27.6/31.5	
2365	Clear colorless liquid	Unsuitable for testing						
2392	Opaque viscous liquid	Unsuitable for testing						
2429	Clear colorless liquid	4.44	3.96	4.33	4.24	4.47	-25.2/34.0	
2551	Opaque viscous liquid	Unsuitable for testing						
2575	White paste	Unsuitable for testing						
2639	White cream	Unsuitable for testing						
2652	White cream	Unsuitable for testing						
2713	White cream	Unsuitable for testing						
2721	Clear colorless liquid	2.71	2.73	2.70	2.71	49.2	20.1/79.9	
2774	Red powder	Unsuitable for testing						
2827	White cream	Unsuitable for testing						
2887	Pale yellow opaque cream	Unsuitable for testing						
2906	Black cream	Unsuitable for testing						
2947	White cream	Unsuitable for testing						
2993	White cream	Unsuitable for testing						

3099	White suspension	Unsuitable for testing						
3105	Clear colorless liquid	3.50	3.47	3.15	3.38	19.3	-11.2/48.3	
3148	Clear colorless liquid	3.11	2.88	3.12	3.04	32.0	1.79/61.2	
3166	Black cream	Unsuitable for testing						
3169	Orange powder	Unsuitable for testing						
3213	Clear colorless liquid	2.79	2.87	2.73	2.79	44.5	14.3/74.0	
3244	Clear colorless liquid	3.46	3.26	3.43	3.38	19.2	-11.2/48.3	
3343	Clear yellow liquid	2.95	2.93	2.96	2.95	36.3	6.48/66.0	
3399	Clear colorless liquid	3.67	3.66	3.49	3.61	13.3	-16.3/43.2	
3453	Clear colorless liquid	5.27	5.35	5.37	5.33	0.635	-28.9/30.1	
3458	White cream	Unsuitable for testing						
3507	White cream	Unsuitable for testing						
3524	Clear colorless liquid	3.98	3.99	3.90	3.96	7.35	-22.3/37.1	
3525	Clear pink liquid	4.53	4.59	4.61	4.58	2.47	-27.2/31.9	
3533	White cream	Unsuitable for testing						
3568	Clear colorless liquid	Unsuitable for testing						
3584	White cream	Unsuitable for testing						
3589	Clear colorless liquid	> 5.50	> 5.50	5.41	> 5.41	< 0.553	>-29.0/<30.1	
3631	Clear colorless liquid	3.65	3.62	3.64	3.64	12.6	-17.4/42.1	2.92
3645	Clear blue liquid	3.70	3.57	3.92	3.73	10.8	-19.3/40.2	
3651	Clear amber liquid	Unsuitable for testing						
3704	White cream	Unsuitable for testing						
3740	Clear colorless liquid	4.41	4.31	4.24	4.32	3.91	-25.6/33.7	
3770	Clear colorless liquid	2.94	2.94	2.84	2.91	38.4	9.00/68.5	
3806	Clear colorless liquid	3.65	3.63	3.72	3.67	12.0	-17.4/42.1	> 3.00
3855	Pale yellow cream	Unsuitable for testing						
3870	Clear colorless liquid	4.73	4.76	4.71	4.73	1.87	-27.7/31.4	
3872	Clear colorless liquid	5.42	5.43	5.42	5.42	0.538	-28.9/30.1	
3883	White cream	Unsuitable for testing						
3886	White flaky suspension	3.10	3.09	3.20	3.13	28.1	-2.46/56.9	
3908	Opaque liquid	Unsuitable for testing						

\* Values to be determined by parties directed by the management team.



Performing Laboratory Code No.: 27

Study Director for

Performing Laboratory: John W. Harbell, Ph.D.  
(print)

(date)

\_\_\_\_\_  
(signature)

Assays Supervised by: Hans A. Raabe, B.S.  
(print)

(date)

\_\_\_\_\_  
(signature)

Please return this form to:

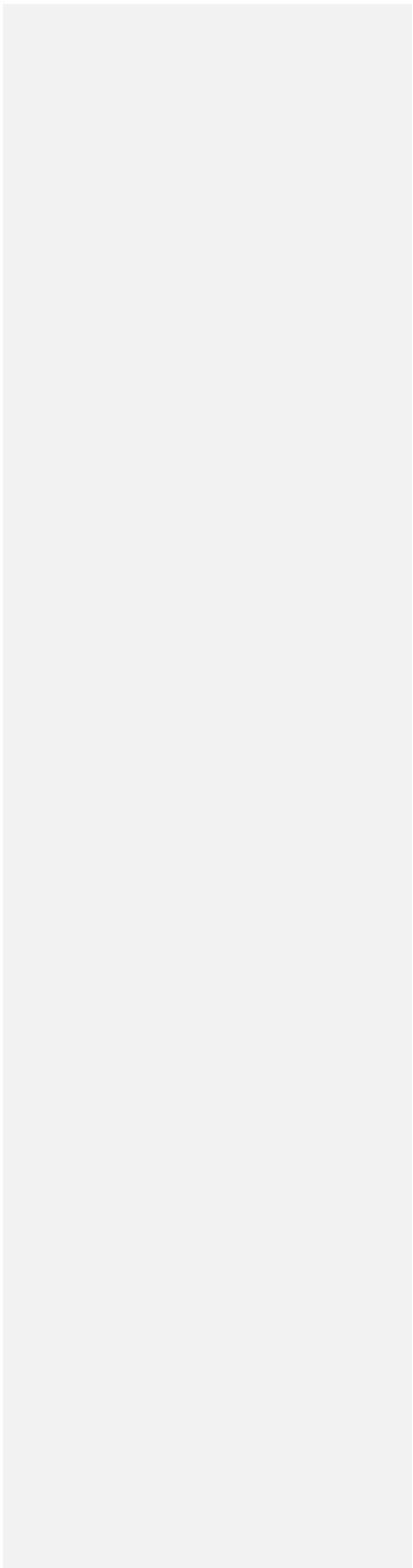
Dr. David Lovell, COLIPA Data Coordinator, BIBRA Toxicology International Woodmansterne Road, Crshalton,  
SURREY, SM5 4DS, UK (Fax: 44-(0)81-661 7029)

**Table 2**

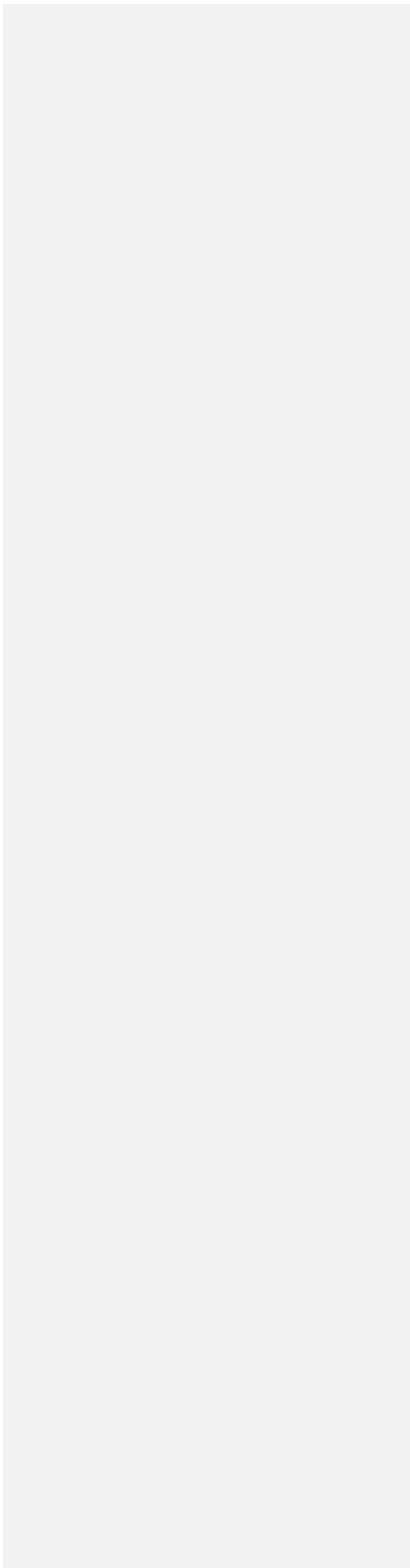
Test Article	MRD <sub>50</sub> (mg/ml)								
	15/02/95	22/02/95	03/03/95	07/03/95	08/03/95	09/03/95	06/04/95	07/04/95	12/04/95
SLS	0.0858	0.0810	0.0676	0.0668	0.0916	0.0802	0.0828	0.0817	0.0804

Test Article	MRD <sub>50</sub> (mg/ml)								
	14/04/95	16/04/95	19/04/95	20/04/95	26/04/95	03/05/95	04/05/95	05/05/95	Mean
SLS	0.0867	0.0817	0.0852	0.0745	0.0861	0.0775	0.0822	0.0797	0.0807

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**Report for Company # 1 Comparing Silicon Microphysiometer  
and Cytosensor Microphysiometer Data**



FINAL REPORT

Study Title

**Microphysiometer Bioassay using L929 Cells  
Cytosensor Microphysiometer Bioassay Using L929 Cells**

Test Articles

B0767.02; P2025; P2207; P2451.01; R0243.01; R0252;  
R0382.01; R0383.01; R0385.01; R0386.01; R0389.01

Author

John W. Harbell, Ph.D.

Study Completion Date

September 24, 1993

Performing Laboratory

Microbiological Associates, Inc.  
9900 Blackwell Road  
Rockville, Maryland 20850

Laboratory Project Number

A000270

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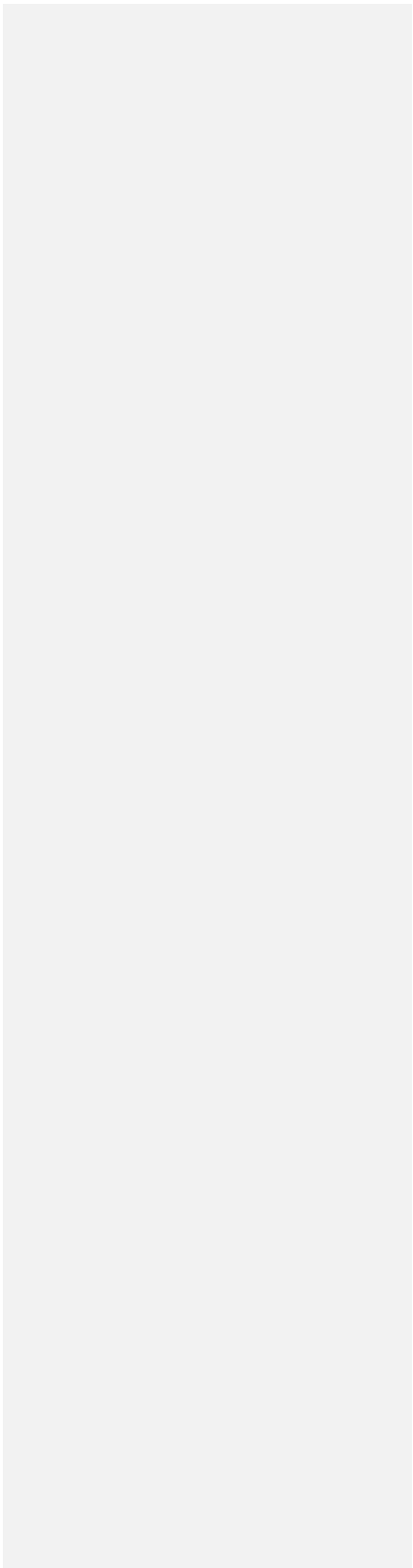
PROTOCOL AMENDMENT I ..... 1

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APPENDIX C ..... C1-C55



## STATEMENT OF COMPLIANCE

The Microphysiometer Bioassay using L929 Cells and Cytosensor Microphysiometer Bioassay Using L929 Cells of test articles B0767.02; P2025; P2207; P2451.01; R0243.01; R0252; R0382.01; R0383.01; R0385.01; R0386.01 and R0389.01 were conducted in compliance with the U.S. FDA Good Laboratory Practice Regulations as published in 21 CFR 58, the U.S. EPA GLP Standards 40 CFR 160 and 40 CFR 792, the UK GLP Compliance Programme, the Japanese GLP Standard and the OECD Principles of Good Laboratory Practice in all material aspects with the following exceptions:

The identity, strength, purity and composition or other characteristics to define the test or control articles have not been determined by the testing facility.

The stability of the test or control articles under the test conditions has not been determined by the testing facility and is not included in the final report.

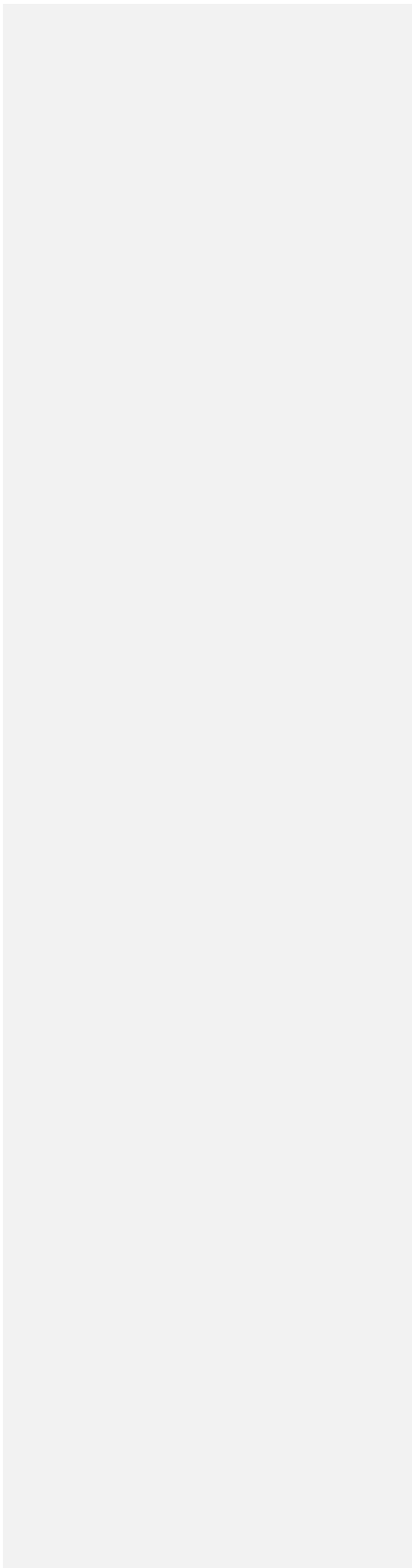
Analyses to determine the uniformity, concentration, or stability of the test or control mixtures were not performed by the testing facility.

---

John W. Harbell, Ph.D.  
Study Director

Date

REPLACE WITH QUALITY ASSURANCE STATEMENT



**SIGNATURE PAGE**

**Microphysiometer Bioassay using L929 Cells  
Cytosensor Microphysiometer Bioassay Using L929 Cells**

Initiation Date: July 12, 1993

Completion Date: September 24, 1993

Sponsor: The Procter & Gamble Company  
Miami Valley Laboratories  
P.O. Box 398707  
Cincinnati, OH 45239-8707

Sponsor's Representative: Rosemarie Osborne, Ph.D.

Testing Facility and Archive Location: Microbiological Associates, Inc.  
9900 Blackwell Road  
Rockville, Maryland 20850

Study Director: John W. Harbell, Ph.D. Date

Department Head: Kathleen Wallace, B.S. Date



**TEST ARTICLE RECEIPT**

<b>MA Test Article Number</b>	<b>Sponsor's Designation</b>	<b>Physical Description</b>	<b>Receipt Date</b>	<b>Storage Conditions *</b>
D508	B0767.02	Pale green flakes	07/09/93	Room Temperature
D509	P2025	Clear, amber, semiviscous liquid	07/09/93	Room Temperature
D510	P2207	White, pearlescent, semiviscous liquid	07/09/93	Room Temperature
D511	P2451.01	Clear, blue, semiviscous liquid	07/09/93	Room Temperature
D512	R0243.01	Clear, yellow, semiviscous liquid	07/09/93 07/22/93	Room Temperature
D513	R0252	Cloudy, semiviscous liquid	07/09/93	Room Temperature
D514	R0382.01	Cloudy, semiviscous liquid	07/09/93	Room Temperature
D515	R0383.01	Clear, colorless liquid	07/09/93	Room Temperature
D516	R0385.01	Clear, pale yellow semiviscous liquid	07/16/93	Room Temperature
D517	R0386.01	Clear, colorless semiviscous liquid	07/16/93	Room Temperature
D518	R0389.01	Clear, colorless semiviscous liquid	08/04/93	Room Temperature

\* - Protected from exposure to light

**SUMMARY**

<b>MA Number</b>	<b>Sponsor's Designation</b>	<b>Assay</b>	<b>Endpoint</b>	<b>Result (ml/g)</b>
D508	B0767.02	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	47.8 18.1
D509	P2025	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	12000 3280
D510	P2207	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	3670 1430
D511	P2451.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	4060 2340
D512	R0243.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	85.4 129
D513	R0252	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	33200 15300
D514	R0382.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	7690 4290
D515	R0383.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	643 459
D516	R0385.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	26700 390
D517	R0386.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	29200 6620
D518	R0389.01	Microphysiometer Cytosensor	rMRD <sub>50</sub> rMRD <sub>50</sub>	9820 4530

## MICROPHYSIOMETER BIOASSAY

The purpose of this study was to evaluate the potential toxicity of eleven test articles supplied by The Procter & Gamble Company as measured by a test article induced reduction in the acidification rate of a population of L929 cells using the Silicon Microphysiometer. The methodology followed and the calculations performed are as detailed in the protocol and protocol amendments (Appendix A). The laboratory phase of this study was conducted from July 13, 1993 to August 6, 1993 at Microbiological Associates, Inc. Each test article was tested in a dose range finding assay and at least three definitive assays to determine the concentration of test article resulting in the rMRD<sub>50</sub> end point (the reciprocal concentration causing 50% reduction in the acidification rate of a population of L929 cells).

Test article, B0767.02, was diluted to 5.0% (w/v) in deionized, distilled water prior to each assay. This dilution was considered as the neat test article.

The solubility of each test article was determined in MDMEM. An aliquot of test article was measured and placed in a glass tube. MDMEM was added and the tube was vortexed. A workable suspension or a solution was obtained for each test article. Additionally, the pH value of each neat test article and the pH values of the highest concentration of each test article in MDMEM were determined and are reported in Table 1.

Table 1 and Table 2 summarize the rMRD<sub>50</sub> results of the preliminary and definitive microphysiometer assays for each test article and the positive control. The dose response curves for each test article and the positive control are included in Appendix B. The positive control value from the assay on July 13, 1993 fell outside of two standard deviations of the historical mean. Data collected on this assay are not included in the mean calculation. Other positive control values fell within two standard deviations of the historical mean (9510 to 18200 ml/g), thereby meeting the acceptance criteria.

**Table 1**

Test Article	rMRD <sub>50</sub> (ml/g)						pH Neat	pH in MDMEM
	Prelim <sup>@</sup>	Trial 1	Trial 2	Trial 3	Trial 4	Mean		
B0767.02	46.8	55.2	39.2	49.0		47.8	9.5	8.5
P2025	2210*	12000	11800	12200		12000	7.1	6.8
P2207	4470*	3440	3760	3800		3670	7.7	6.8
P2451.01	1330*	4050	6520	2300	3360	4060	7.4	6.8
R0243.01	115*	73.3	76.9	106		85.4	5.0	5.5
R0252	16200*	23900	36600	39000		33200	5.3	6.8
R0382.01	6230	10800	7220	5060		7690	6.5	6.8
R0383.01	1400	495	807	627		643	6.5	6.5
R0385.01	10600	23300	31300	25500		26700	5.0	7.1
R0386.01	49700	22200	26600	38800		29200	5.0	7.1
R0389.01	5860*	12300	10600	6570		9820	5.0	7.1

@ - Not included in the mean

\* - Positive control out of range

**Table 2**

Positive Control	rMRD <sub>50</sub> (ml/g)												
	7/13/93	7/19/93	7/20/93	7/21/93	7/22/93	7/23/93	7/28/93	7/29/93	8/4/93	8/5/93	8/6/93	8/6/93	Mean
SLS	35500*	14400	16100	14100	14700	14000	15400	13800	14100	13800	11700	12300	14000

\* - Outlier, Not included in the mean

## CYTOSENSOR MICROPHYSIOMETER BIOASSAY

The purpose of this study was to evaluate the potential toxicity of eleven test articles supplied by The Procter & Gamble Company as measured by a test article induced reduction in the acidification rate of a population of L929 cells using the Cytosensor Microphysiometer. The methodology followed and the calculations performed are as detailed in the protocol and protocol amendments (Appendix A). The laboratory phase of this study was conducted from July 13, 1993 to August 11, 1993 at Microbiological Associates, Inc. Each test article was tested in a dose range finding assay and at least three definitive assays to determine the concentration of test article resulting in the rMRD<sub>50</sub> end point (the reciprocal concentration causing 50% reduction in the acidification rate of a population of L929 cells).

Test article, B0767.02, was diluted to 5.0% (w/v) in deionized, distilled water prior to each assay. This dilution was considered as the neat test article.

The solubility of each test article was determined in MDMEM. An aliquot of test article was measured and placed in a glass tube. MDMEM was added and the tube was vortexed. A workable suspension or a solution was obtained for each test article. Additionally, the pH value of each neat test article and the pH values of the highest concentration of each test article in MDMEM were determined and are reported in Table 3.

Table 3 and Table 4 summarize the rMRD<sub>50</sub> results of the preliminary and definitive cytosensor microphysiometer assays for each test article and the positive control. The dose response curves for each test article and the positive control are included in Appendix C. The positive control value from the assay on July 20, 1993 appeared to be an outlier, however the data collected from this assay are included in the mean calculation. Other positive control values were within the expected concentrations of the historical mean which is not yet large enough to establish a positive control range.

**Table 3**

Test Article	rMRD <sub>50</sub> (ml/g)						pH Neat	pH in MDMEM
	Prelim <sup>@</sup>	Trial 1	Trial 2	Trial 3	Trial 4	Mean		
B0767.02	11.0	17.7	20.6	16.0		18.1	9.5	8.5
P2025	4490	3940	2360	3530		3280	7.1	6.8
P2207	1320	1260	1810	1220		1430	7.7	6.8
P2451.01	2210	2260	2430	2320		2340	7.4	6.8
R0243.01	52.3	110	87.5	188		129	5.0	5.5
R0252	14900	13500	19100	13300		15300	5.3	6.8
R0382.01	3990	5660	3470	3750		4290	6.5	6.8
R0383.01	437	474	496	407		459	6.5	6.5
R0385.01	286	678	229	263		390	5.0	7.1
R0386.01	3540	< 5620*	7190	6610	6060	6620	5.0	7.1
R0389.01	3980	3730	6290	3560		4530	5.0	7.1

@ - Not included in the mean

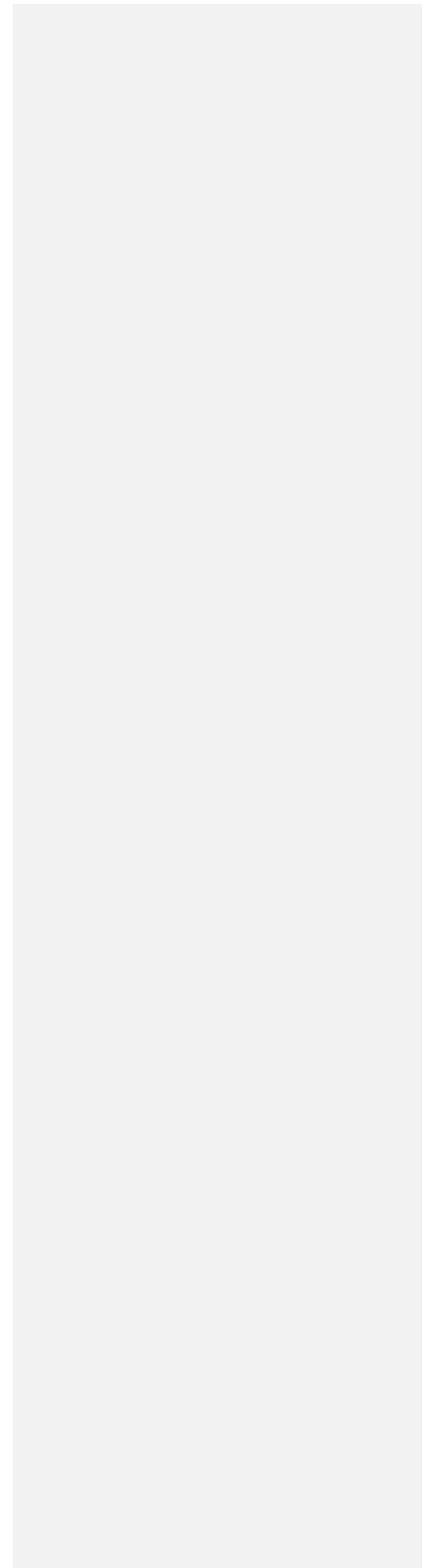
\* - Dilution error, not included in the mean

**Table 4**

Positive Control	rMRD <sub>50</sub> (ml/g)											
	7/13/93	7/19/93	7/20/93	7/21/93	7/22/93	7/23/93	8/10/93	8/11/93	8/11/93	8/11/93	8/11/93	Mean
SLS	11500	14000	1425*	13200	11700	14500	15600	12000	12800	12900	13100	

\* - Outlier, Not included in the mean

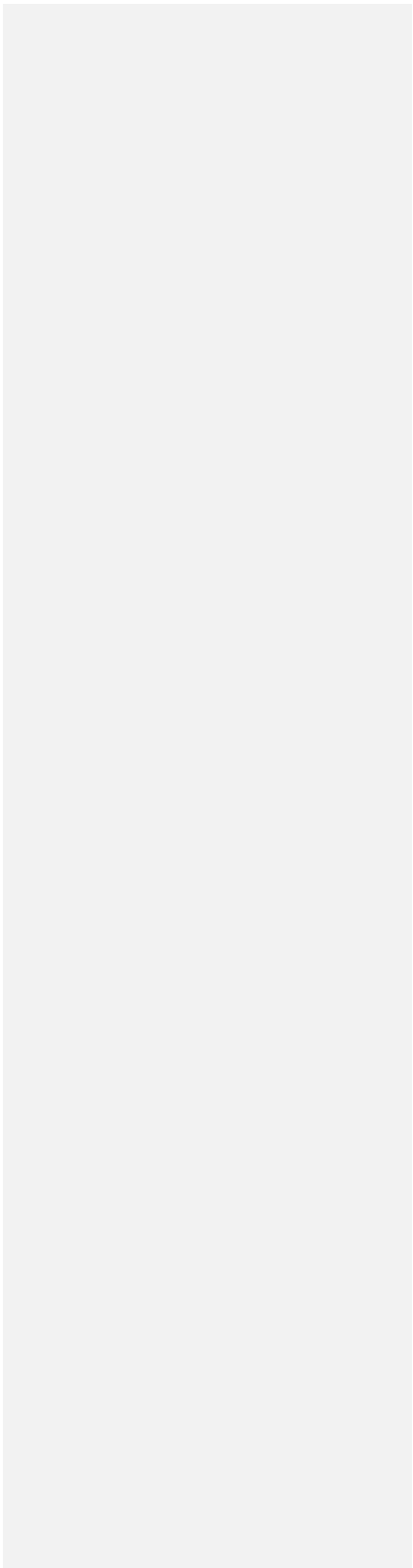
**ANNEX G**  
**(References Containing Data)**



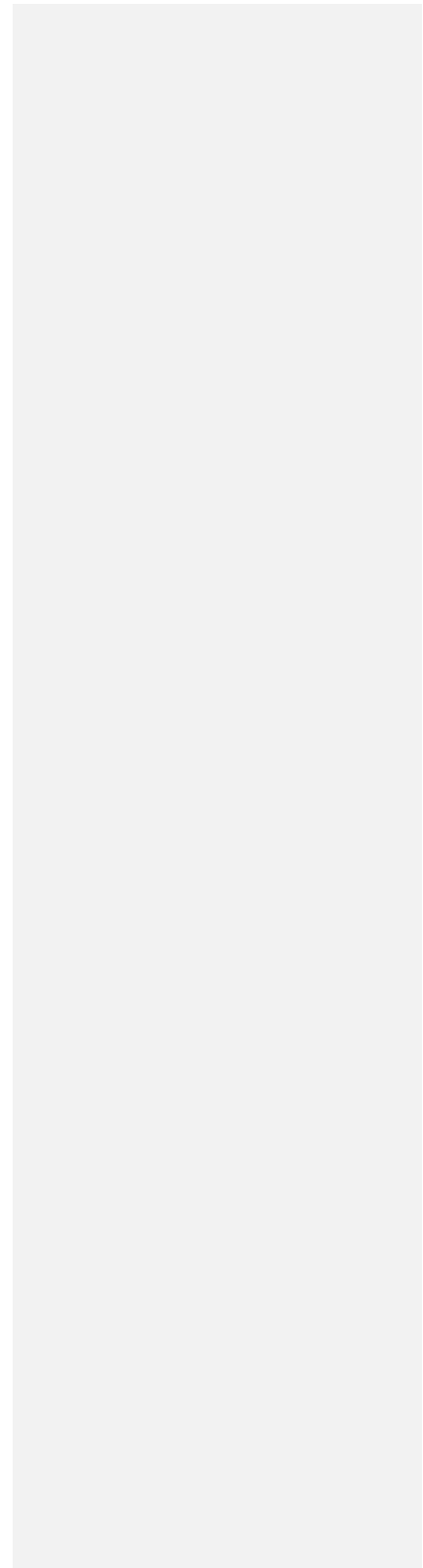
1. Bagley, D. M., L. H. Bruner, et al. (1992). "An Evaluation of Five Potential Alternatives In Vitro to the Rabbit Eye Irritation Test In Vivo." *Toxicology In Vitro* **6**(4): 275-284.
2. Balls, M., P. A. Botham, et al. (1995). "The EC/HO International Validation Study on Alternatives to the Draize Eye Irritation Test." *Toxicology In Vitro* **9**(6): 871-929.
3. Brantom, P. G., L. H. Bruner, et al. (1997). "A Summary Report of the COLIPA International Validation Study on Alternatives to the Draize Rabbit Eye Irritation Test." *Toxicology In Vitro* **11**: 141-179.
4. Bruner, L. H., K. M. Miller, et al. (1991). "Testing ocular irritancy in vitro with the silicon microphysiometer." *Toxicology In Vitro* **5**: 277-284.
5. Bruner, L. H., D. J. Kain, et al. (1991). "Evaluation of Seven In Vitro Alternatives for Ocular Safety Testing." *Fundam Appl Toxicol* **17**(1): 136-149.
6. Catroux, P., A. Rougier, et al. (1993). "The Silicon Microphysiometer for Testing Ocular Toxicity In Vitro." *Toxicol In Vitro* **7**(4): 465-469.
7. Gettings, S. D., R. A. Lordo, et al. (1996). "The CTFA Evaluation of Alternatives Program: an evaluation of in vitro alternatives to the Draize primary eye irritation test. (Phase III) surfactant-based formulations." *Food Chem Toxicol* **34**(1): 79-117.
8. Harbell, J. W., R. Osborne, et al. (1999). "Assessment of the Cytosensor™ Microphysiometer Assay in the COLIPA In Vitro Eye Irritation Validation Study." *Toxicology In Vitro* **13**: 313-323.



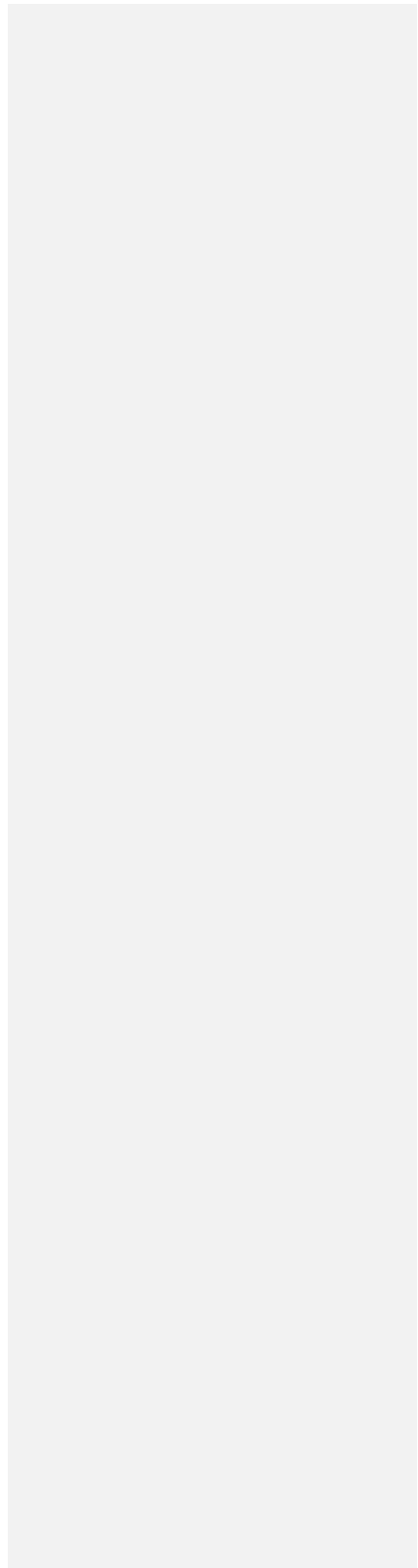
**ANNEX H**  
**Raw Cytosensor Data**



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## Company # 2 Raw Data





REFERENCE  
**IRAC WORKING GROUP 3 - Cell Function - based Assays - Food and Chemical Toxicology 35(1997) 67 - 77**  
**IRAC data submission "IRAC WORKING GROUP 3 - Cell Function - based Assays - Food and Chemical Toxicology 35(1997) 67 - 77**  
**THE SILICON MICROPHOTOMETER FOR TESTING OCULAR TOXICITY IN VITRO - Toxicology in vitro Vol. 7, N°4 pp 465-469, 1993.**

chemical name	concentration tested	MEAN DAYS to clear	CLASSE IO	CORNEA OPACITY			CORNEA AREA			IRIS			REDNESS			CHEMOSIS			DISCHARGE		
				MEAN	STDEV	AREA	MEAN	STDEV	AREA	MEAN	STDEV	MEAN	STDEV	MEAN	STDEV	MEAN	STDEV	MEAN	STDEV	MEAN	STDEV
Polyoxyethylene sorbinate monoleate (Tween 80)	10%NA	1	2	0.5	0.55	0.5	0.55	0	0	0.5	0.55	0	0	0.33	0.52	0	0	0.33	0.52	0	0
Polyoxyethylene sorbinate monolaurate (Tween 20)	10%NA	0.33	2	0.33	0.52	0.33	0.52	0.33	0.52	0.67	0.82	0.5	0.55	0	0	0	0	0	0	0	0
Pentadecanol (etherified)	10%NA	0.66	2	0.33	0.52	0.33	0.52	0	0	1	0	0.67	0.52	0.33	0.52	0	0	0.33	0.52	0	0
Industrial Tween 20	10%NA	3.83	2	1	0	1	0	0.5	0.55	0.83	0.41	0.33	0.52	0.17	0.41	0	0	0.17	0.41	0	0
Dodecanol (etherified)	10%NA	3.33	3	1.33	0.52	1.17	0.41	1	0	2	0	2	0	1.83	0.41	2	0	1.83	0.41	2	0
1,2-dodecanol (etherified)	10%NA	5.5	4	2	0	1.5	0.55	1	0	2	0	1.83	0.41	2	0	2	0	2	0	2	0
Blend of decanol and dodecanol (both etherified)	10%NA	>7	4	2	0	2.17	0.41	1	0	2	0	2	0	1.5	0.55	2	0	1.5	0.55	2	0
Octyl phenoxypolyethoxy ethanol (Iriton X100)	10%NA	>7	4	2	0	2.33	0.52	1	0	2	0	2.17	0.41	1.83	0.41	3	0	1.83	0.41	3	0
Acylamine polyglycol ethersulfate (genapol AMS)	10%NA	1.66	4	0.67	0.58	0.67	0.58	1	0	2	0	1	0	3	0	1	0	3	0	1	0
Blend of sodium and magnesium lauryl ethersulfate	10%NA	4.5	4	2	0	1.83	0.41	1	0	1.67	0.52	2.17	0.41	1.5	0.55	2.17	0.41	1.5	0.55	2.17	0.41
Sodium dodecyl sulfate (SDS)	10%NA	>7	4	2	0	2.17	0.41	1	0	2	0	2.17	0.41	2.5	0.55	2.17	0.41	2.5	0.55	2.17	0.41
sodium dodecylether sulfate	10%NA	>7	4	2	0	2.17	0.75	1	0	2	0	2	0	2.33	0.52	2	0	2.33	0.52	2	0
Ammonium dodecyl sulfate	10%NA	>7	4	2	0	3	0.63	1	0	2	0	2.17	0.41	1.83	0.41	2	0	1.83	0.41	2	0
Triethanolamine dodecyl sulfate	10%NA	>7	4	2	0	2.83	0.75	1	0	2	0	2	0	2.33	0.52	2	0	2.33	0.52	2	0
Sodium dodecylsarcosinate	10%NA	>7	5	2	0	4	0	1	0	3	0	3.33	0.58	3	0	3	0	3	0	3	0
Coprah amphoterie alkylimidazolium dicarboxylate (airanol)	10%NA	>7	4	2	0	2	0	1	0	2	0	2	0	2.33	0.52	2	0	2.33	0.52	2	0
Cocobetain derivative	10%NA	>7	5	2	0	2.5	0.55	1	0	2	0	3	0.63	2.33	0.52	3	0.63	2.33	0.52	3	0.63
Tetradecyltrimethylammonium bromide (RTAB)	10%NA	>7	5	2.17	0.41	2.33	0.52	1	0	2	0	3.33	0.52	2.17	0.41	3.33	0.52	2.17	0.41	3.33	0.52
Hexadecyltrimethylammonium bromide (CTAB)	10%NA	>7	5	2.17	0.41	2.33	0.52	1	0	2	0	3.67	0.52	2.17	0.41	3.67	0.52	2.17	0.41	3.67	0.52
Pyridinium estylbromide	10%NA	>7	5	2	0	3.33	0.52	1	0	2	0	3.5	0.55	2.33	0.52	3.5	0.55	2.33	0.52	3.5	0.55

REFERENCE

*IRAG data submission "IRAG WORKING GROUP 3 - Cell Function - based Assays - Food and Chemical Toxicology 35(1997) 67 - 77*

*THE SILICON MICROPHYSIOMETER FOR TESETING OCULAR TOXICITY IN VITRO - Toxicology invitro Vol.7, N°4 pp 465-469,1993.*

chemical name	concentration tested	concentration tested	IN VITRO DATA	
			MRD50 MEAN MICROPHYSIOMETRE	MRD50 STDEV MICROPHYSIOMETRE
Polyoxyethylene sorbinate monoleate (Tween 80)	10%MA	10%MA	> 1000000	850000
Polyoxyethylene sorbinate monolaurate (Tween 20)	10%MA	10%MA	206000	70000
Pentadecanol (etherified)	10%MA	10%MA	> 1000000	
Industrial Tween 20	10%MA	10%MA	69240	16000
Dodecanol (etherified)	10%MA	10%MA	4650	700
1,2-dodecanol (etherified)	10%MA	10%MA	8790	500
Blend of decanol and dodecanol (both etherified)	10%MA	10%MA	17180	8000
Octyl phenoxyethoxy ethanol (Triton X100)	10%MA	10%MA	679	130
Acylamine polyglycol ethersulfate (genapol AMS)	10%MA	10%MA	53570	10000
Blend of sodium and magnesium lauryl ethersulfate	10%MA	10%MA	8500	1500
Sodium dodecyl sulfate (SDS)	10%MA	10%MA	790	220
sodium dodecylether sulfate	10%MA	10%MA	1260	250
Ammonium dodecyl sulfate	10%MA	10%MA	1300	170
Triethanolamine dodecyl sulfate	10%MA	10%MA	559	110
Sodium dodecylsarcosinate	10%MA	10%MA	2260	450
Coprah amphoteric alkylimidazolium dicarboxylate (miranol)	10%MA	10%MA	5820	800
Cocobetain derivative	10%MA	10%MA	2630	1700
Tetradecyltrimethylammonium bromide (MTAB)	10%MA	10%MA	430	40
Hexadecyltrimethylammonium bromide (CTAB)	10%MA	10%MA	400	110
Pyridinium cetyl bromide	10%MA	10%MA	1050	200

MRD50 : dose which decreases by 50% the metabolic rate evaluated by the silicon microphysiometer (in µg/l)

**EC/HO Raw Data from Company # 3**

**Commento [c9]:** It is not Possible to correct the text inside. There are some company names.

ATTACHMENT

LAP 31

EEC In Vitro Eye Irritation Data Obtained Using the Cytosensor Microphysiometer

Sample I.D.	Values used to calculate Mean					Values not used to calculate Mean				
	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5
Initial Samples										MEAN
207	5.16	5.22	5.06			>5.00				5.147
263	2.91	2.73	2.69			2.95				2.777
372	4.95	4.97	4.97			4.98				4.963
389	4.47	4.46	4.44			4.60				4.457
398	4.95	4.97	4.96			4.734				4.916
408	4.73	4.66	4.72			4.82				4.703
452	4.20	3.99	4.23			3.93				4.14
467			4.13			>4.75	>4.75			4.73
627	2.98	2.99	3.14			3.01				3.037
635	4.15	4.43	3.92			4.47				4.21

\* ~~Assay 1 values were omitted~~

\* Three digit code provided by BIBRA Tox. Int.

Microbiological Assoc., Inc. does not have the key to match the three digit code

With the following four digit codes:

1423	2116
1586	2185
1597	2406
1744	3099
1941	3255



EEC In Vitro Eye Irritation Data Obtained Using the Cytosensor Microphysiometer

Sample I.D.	Values used to calculate Mean					Values not used to calculate Mean					MEAN
	MRD50 (log of ug/ml)					MRD50 (log of ug/ml)					
	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5	
1016		2.94	3.35	3.32		3.86					3.293
1037		3.13	3.41	3.34		3.47					3.293
1071	NST										3.393
1148		3.26	3.71	3.21		3.49					3.007
1180	NST										3.17
1223		2.99	3.06	2.97		3.49					3.007
1266	NST										3.17
1269		3.22	3.17	3.12		3.01					3.17
1351	NST										2.67
1373			2.68*	2.63	2.70	2.54	7.3.50	5.3.00			3.13
1383		3.10	2.86	3.43		3.08					3.13
1384	not inst. at sol. (4.00)					> 4.00	> 4.00	> 4.00	> 4.00		> 4.00
1423	not tested										
1510	NST										
1556	not tested										
1581		2.93	3.42	2.85		3.44					3.067
1597	not tested										
1665	NST										
1666			4.37	4.35	4.37	4.39	7.5.25				4.363
1719		4.97	5.16	5.05		> 5.00					5.06
1721		4.70	4.69	4.73		7.3.00					4.707
1744	not tested										
1769	not inst. at sol. (4.00)					7.4.00	7.4.00	7.4.00	7.4.00	7.4.00	7.4.00
1851	NST										
1856	NST										
1884	NST										
1944	not tested										
2070	NST										
2089	NST										
2116	not tested										

\* Assay 6

EEC In Vitro Eye Irritation Data Obtained Using the Cytosensor Microphysiometer

Sample I.D.	Values used to calculate Mean					Values not used to calculate Mean				
	MRD50 (log of ug/ml)					MRD50 (log of ug/ml)				
	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5
2160	NST									
2162		5.23	6.10	5.16		75.00				5.163
2185	not retested									
2219	NST									
2232		3.48	3.46		3.51	3.49			4.07	3.483
2342	NST									
2376		5.18	5.18	5.22		75.00				5.193
2380		4.46	4.48	4.49		4.34				4.477
2406	not retested									
2427	NST									
2433	NST									
2482		3.66	3.45	3.48		3.50				3.53
2580	NST									
2582		4.70	4.49	4.48		4.48				4.557
2653		5.21	4.83	5.17		75.00				5.07
2767		3.89	3.68	3.66		3.81				3.743
2776	NST									
2800	NST									
2859		5.11	4.96	4.96		> 5.00				5.01
2868	NST									
2901	NST									

EEC In Vitro Eye Irritation Data Obtained Using the Cytosensor Microphysiometer

Sample I.D.	Values used to calculate Mean					Values not used to calculate Mean				
	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5	Assay 1	Assay 2	Assay 3	Assay 4	Assay 5
2916	NST									
3021	NST									
3034	NST									
3090	3.70	3.59	3.85			3.48				3.713
3099	not retested							2.5.38		5.257
3111	5.34	5.12	5.31			2.5.00				
3242	NST									
3255	not retested									
3274	not irr. at sol. (5.50)					2.5.00	5.02	2.5.50	2.5.50	7.5.50

Performing Laboratory Code No.: 31

Study Director for Performing Laboratory: JOHN HARRIS

Performing Laboratory: Polyscience (Printed) Date: 2/2/94

Assay Operator: Gay C. Mow Date: 2/2/94

Please Return this form to:

Mr. Jonathan Smith, EC/HO Data Coordinator, BIBRA Toxicology International,  
Woodmansterne Rd., Carshalton, Surrey SM5 4DS, UK. (Fax: +44-(0)81-461-7029)

\*Number in parentheses indicates the highest concentration soluble in assay medium (in units of log ug/ml).

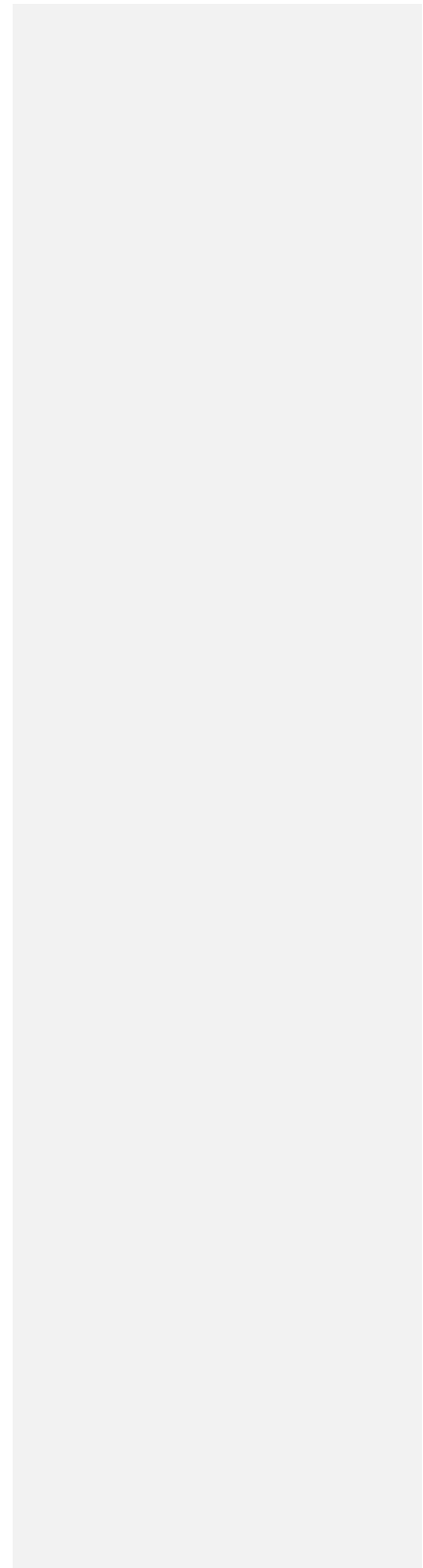
Abbreviations:

"Not irr. at sol" = Not irritating at the highest concentration soluble in assay medium.

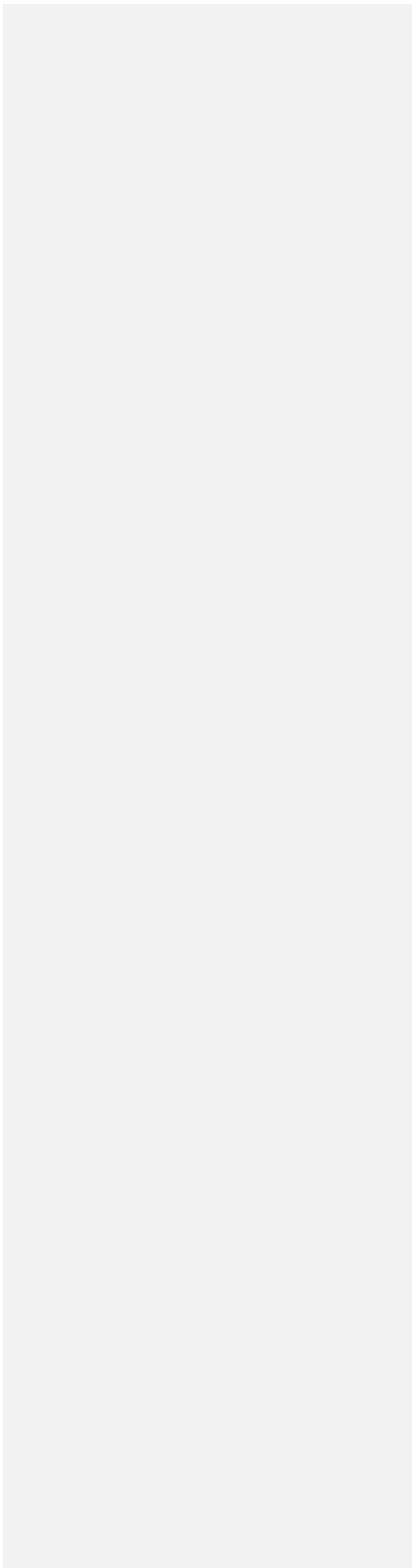
"NST" = Not suitable for testing by this method.

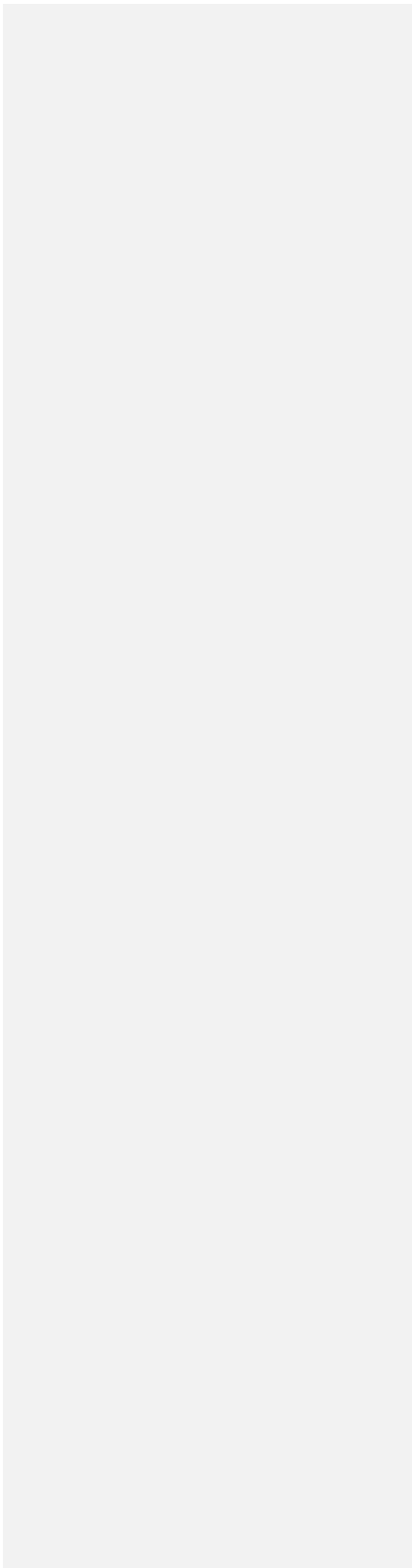
"Not Retested" = Samples from the preliminary study that were not required to be retested.

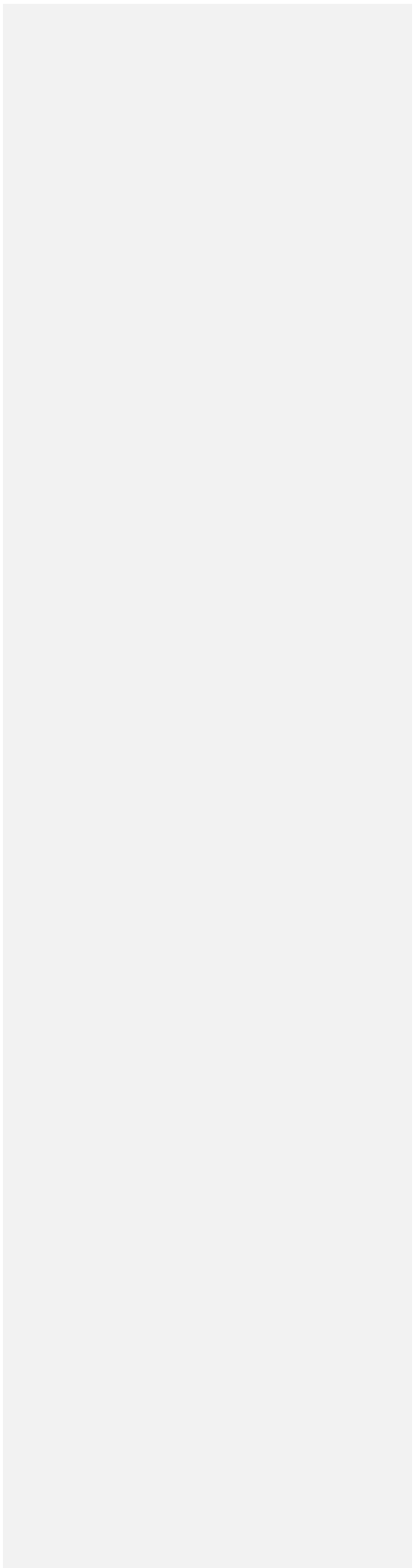
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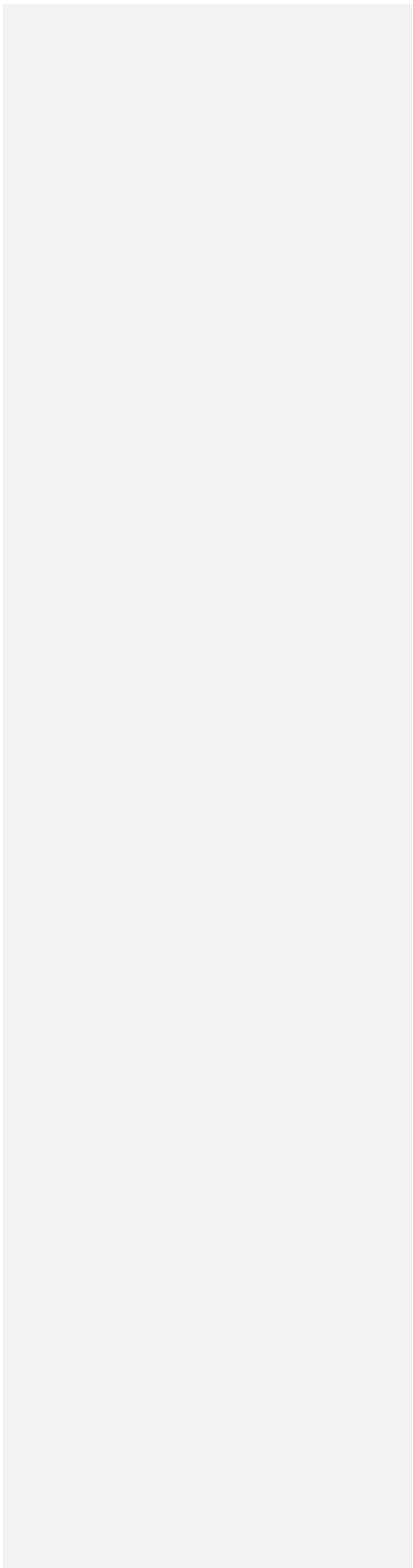


**EC/HO Average Data from Four Labs**



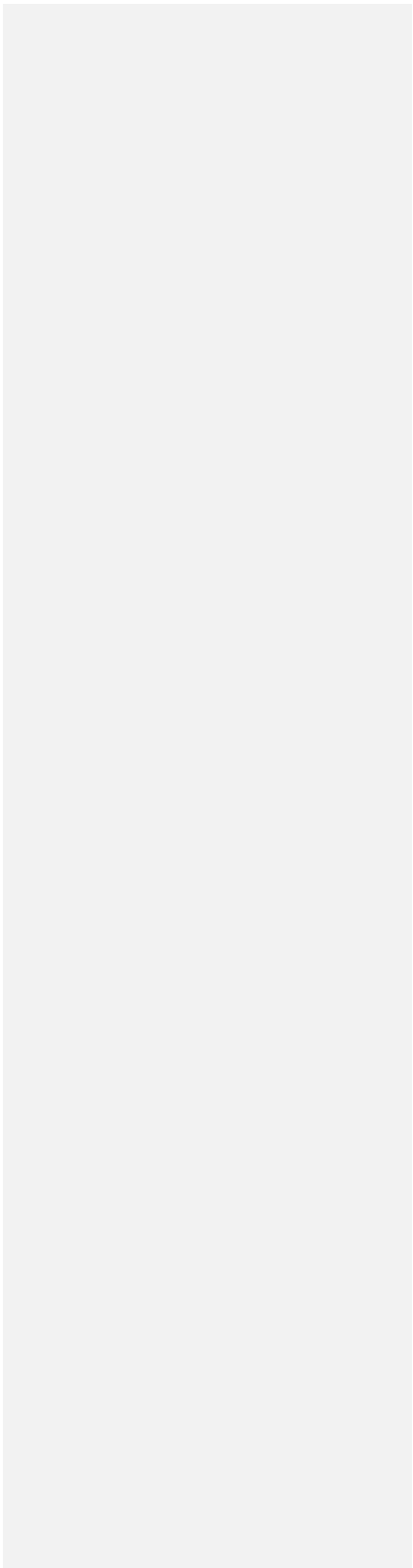








**Company # 3 Positive Control Data**



SLS MRD-50 DATA FOR CYTOSENSOR  
 PROTOCOL (20 MIN) WITHOUT INSERT

DATE	MRD-50 (mg/ml)	DATE	MRD-50 (mg/ml)
4/14/94	0.0785	5/16/95	0.1230
4/15/94	0.0811	5/16/95	0.0802
5/4/94	0.0821	5/17/95	0.0906
5/4/94	0.0842	5/17/95	0.1620
5/5/94	0.0737	5/17/95	0.1300
5/5/94	0.0749	5/17/95	0.1490
5/26/94	0.0771	5/25/95	0.0863
5/27/94	0.0701	5/26/95	0.0808
1/4/95	0.0794	5/26/95	0.0769
1/10/95	0.0659	6/6/95	0.0838
1/11/95	0.0773	6/6/95	0.0792
1/12/95	0.0613	7/17/95	0.0755
1/17/95	0.0814	7/17/95	0.0427
1/18/95	0.0856	7/18/95	0.0758
1/18/95	0.0871	7/18/95	0.0772
1/24/95	0.0853	7/19/95	0.0842
3/1/95	0.0834	7/20/95	0.0815
3/2/95	0.0741	7/21/95	0.0782
3/3/95	0.0676	7/25/95	0.0764
3/7/95	0.0668	7/26/95	0.0839
3/8/95	0.0916	7/26/95	0.0847
3/9/95	0.0802	8/16/95	0.0798
3/10/95	0.0864	8/17/95	0.0850
3/13/95	0.0782	8/18/95	0.0849
3/21/95	0.0770	8/24/95	0.0840
3/22/95	0.0756	8/31/95	0.0853
3/23/95	0.0812	9/1/95	0.0828
3/29/95	0.0686	9/6/95	0.0866
3/30/95	0.0837	9/21/95	0.0787
3/31/95	0.0855	9/22/95	0.0701
4/4/95	0.0919	9/26/95	0.0780
4/6/95	0.0828	10/4/95	0.0748
4/7/95	0.0817	10/9/95	0.0837
4/12/95	0.0804	10/10/95	0.0815
4/14/95	0.0867	10/10/95	0.0789
4/18/95	0.0817	10/17/95	0.0779
4/19/95	0.0852	10/18/95	0.0743
4/20/95	0.0745	10/20/95	0.0789
4/26/95	0.0861	10/24/95	0.0804
5/3/95	0.0775	10/26/95	0.0736
5/4/95	0.0822	10/27/95	0.0775
5/5/95	0.0797	10/31/95	0.0785
5/16/95	0.0845	10/31/95	0.0784
5/16/95	0.0797	11/2/95	0.0805

DATE	MRD-50 (mg/ml)	DATE	MRD-50 (mg/ml)
11/7/95	0.0545	8/16/96	0.0875
12/13/95	0.0638	8/20/96	0.0859
12/14/95	0.0743	8/21/96	0.0846
12/14/95	0.0723	8/22/96	0.0880
12/20/95	0.0851	12/17/96	0.0850
12/22/95	0.0795	12/18/96	0.0811
12/22/95	0.0772	12/18/96	0.0761
12/27/95	0.0846	2/25/97	0.0819
12/27/95	0.0844	2/26/97	0.0767
1/23/96	0.0806	2/27/97	0.0850
1/25/96	0.0765	2/28/97	0.0685
1/26/96	0.0688	3/3/97	0.0764
1/30/96	0.0810	3/4/97	0.0852
1/31/96	0.0743	3/6/97	0.0816
2/1/96	0.0808	3/7/97	0.0850
2/13/96	0.0851	3/13/97	0.0847
2/27/96	0.0853	3/14/97	0.0765
2/27/96	0.0867	3/14/97	0.0787
2/28/96	0.0838	3/20/97	0.0901
2/28/96	0.0874	3/21/97	0.0871
3/5/96	0.0846	3/25/97	0.0837
3/6/96	0.0816	3/26/97	0.0869
3/7/96	0.0835	3/27/97	0.0845
4/4/96	0.0882	4/04/97	0.0853
4/9/96	0.0841	4/07/97	0.0866
4/10/96	0.0812	4/07/97	0.0872
4/11/96	0.0831	5/29/97	0.0791
4/19/96	0.0842	5/30/97	0.0795
4/25/96	0.0837	5/30/97	0.0669
4/25/96	0.0808	5/30/97	0.0783
4/26/96	0.0825	6/30/97	0.0805
4/29/96	0.0827	6/30/97	0.0643
4/29/96	0.0731	7/01/97	0.0766
4/30/96	0.0807	7/02/97	0.0727
5/1/96	0.0840	7/28/97	0.0791
5/1/96	0.0770	7/27/97	0.0635
5/2/96	0.0807	7/31/97	0.0602
5/2/96	0.0745	8/01/97	0.0706
5/3/96	0.0824	8/05/97	0.0588
6/10/96	0.0829	8/07/97	0.0774
6/11/96	0.0788	8/07/97	0.0773
6/12/96	0.0794	10/30/97	0.0649
7/16/96	0.0771	10/31/97	0.0725
7/17/96	0.0811	10/31/97	0.0694
7/17/96	0.0762	11/20/97	0.0823
8/7/96	0.0835	11/21/97	0.0813
8/8/96	0.0855	12/04/97	0.0785
8/9/96	0.0824	12/05/97	0.0789
8/14/96	0.0840	12/09/97	0.0783
8/15/96	0.0841	12/10/97	0.0804

DATE	MRD-50 (mg/ml)	DATE	MRD-50 (mg/ml)
12/11/97	0.0771	2/24/99	0.0886
12/12/97	0.0794	2/25/99	0.0804
12/16/97	0.0779	2/26/99	0.0960
12/16/97	0.0757	2/26/99	0.0750
12/23/97	0.0813	3/01/99	0.0848
12/23/97	0.0788	3/02/99	0.0779
12/24/97	0.0811	3/03/99	0.0816
12/24/97	0.0810	3/03/99	0.0821
1/21/98	0.0815	3/04/99	0.0830
1/21/98	0.0825	3/04/99	0.0840
1/21/98	0.0791	3/05/99	0.0827
4/14/98	0.0812	3/09/99	0.0775
4/16/98	0.0798	3/10/99	0.0978
4/17/98	0.0785	3/16/99	0.0768
4/24/98	0.0813	3/18/99	0.0727
4/28/98	0.0795	3/19/99	0.0796
4/28/98	0.0809	3/23/99	0.1410
6/5/98	0.0817	3/24/99	0.0864
6/15/98	0.0870	3/25/99	0.0793
6/15/98	0.0907	3/26/99	0.0711
6/19/98	0.0779	3/30/99	0.0754
6/19/98	0.0837	4/01/99	0.0801
7/28/98	0.0821	4/02/99	0.0758
7/29/98	0.0791	4/06/99	0.0813
7/30/98	0.0834	4/07/99	0.0763
7/31/98	0.0906	4/08/99	0.0801
8/3/98	0.0869	4/09/99	0.0763
9/10/98	0.0780	4/09/99	0.0727
9/11/98	0.0811	4/13/99	0.0612
9/11/98	0.0941	4/14/99	0.0674
10/9/98	0.0858	4/15/99	0.0738
10/13/98	0.0814	4/22/99	0.0752
10/14/98	0.0869	4/23/99	0.0742
10/15/98	0.0859	4/27/99	0.0752
10/16/98	0.0854	4/28/99	0.0710
10/20/98	0.0799	4/30/99	0.0661
10/21/98	0.0813	5/04/99	0.0719
10/22/98	0.0826	5/05/99	0.0723
10/23/98	0.0826	5/07/99	0.0690
11/6/98	0.0840	5/28/99	0.0770
11/9/98	0.0957	5/28/99	0.0770
11/10/98	0.0831	5/28/99	0.0820
11/11/98	0.0922	5/28/99	0.0810
11/13/98	0.0968	5/28/99	0.0730
11/16/98	0.0924	5/28/99	0.0670
1/29/99	0.0831	5/28/99	0.0690
2/1/99	0.0830	6/02/99	0.0789
2/4/99	0.0840	6/03/99	0.0760
2/5/99	0.0916	6/04/99	0.0711
2/23/99	0.0818	8/10/99	0.0785

DATE	MRD-50 (mg/ml)	DATE	MRD-50 (mg/ml)
8/11/99	0.0779	07/25/00	0.0731
8/12/99	0.0782	07/27/00	0.0761
8/13/99	0.0801	07/28/00	0.0721
8/17/99	0.0815	08/02/00	0.0811
8/18/99	0.0794	08/10/00	0.0772
9/16/99	0.0781	08/11/00	0.0740
9/17/99	0.0805	08/11/00	0.0731
9/17/99	0.0801	08/25/00	0.0847
10/07/99	0.0745	08/25/00	0.0730
10/13/99	0.0824	10/04/00	0.0750
10/14/99	0.0816	10/06/00	0.0777
10/15/99	0.0796	10/11/00	0.0815
10/19/99	0.0833	11/27/00	0.0727
10/21/99	0.0861	11/28/00	0.0742
10/22/99	0.0812	11/29/00	0.0786
11/22/99	0.0793	12/12/00	0.0788
11/23/99	0.0804	12/13/00	0.0699
11/24/99	0.0786	12/14/00	0.0765
12/13/99	0.0820	12/28/00	0.0816
12/14/99	0.0732	12/29/00	0.0729
12/15/99	0.0847	12/29/00	0.0809
12/16/99	0.0788	2/5/01	0.0887
12/17/99	0.0756	2/6/01	0.0753
12/20/99	0.0823	2/9/01	0.0734
12/21/99	0.0783	2/12/01	0.0773
12/23/99	0.0968	3/5/01	0.0751
01/25/00	0.0832	3/6/01	0.0759
01/25/00	0.0824	3/14/01	0.0782
01/26/00	0.0761	3/20/01	0.0798
01/26/00	0.0768	3/21/01	0.0666
01/27/00	0.0787	3/22/01	0.0687
01/28/00	0.0788	3/23/01	0.0769
02/01/00	0.0840	3/27/01	0.0783
02/02/00	0.0749	<b>6/27/01</b>	<b>0.1247</b>
02/03/00	0.0772	6/28/01	0.0790
02/04/00	0.0794	7/2/01	0.0811
04/14/00	0.0764	7/3/01	0.0767
04/17/00	0.0780	7/6/01	0.0765
04/18/00	0.0740	7/11/01	0.0753
04/19/00	0.0723	7/12/01	0.0738
04/24/00	0.0810	7/13/01	0.0917
04/25/00	0.0824	7/17/01	0.0793
06/13/00	0.0813	7/18/01	0.0834
06/13/00	0.0753	7/19/01	0.0817
06/13/00	0.0802	7/20/01	0.0768
07/13/00	0.0841	8/22/01	0.0740
07/14/00	0.0729	8/23/01	0.0765
07/17/00	0.0762	8/24/01	0.0769
07/24/00	0.0800	<b>8/28/01</b>	<b>0.0227</b>
07/25/00	0.0758	8/29/01	0.0698

DATE	MRD-50 (mg/ml)	DATE	MRD-50 (mg/ml)
9/5/01	0.0790	05/30/02	0.0848
9/6/01	0.0748	08/02/02	0.0713
9/6/01	0.0752	08/08/02	0.0748
9/7/01	0.0694	08/09/02	0.0743
9/12/01	0.0795	<b>08/15/02</b>	<b>0.1137</b>
9/13/01	0.0681	08/15/02	0.0782
9/13/01	0.0702	09/06/02	0.0871
10/02/01	0.0813	09/10/02	0.0808
10/03/01	0.0817	09/11/02	0.0760
10/03/01	0.0812	09/12/02	0.0791
10/17/01	0.0832	09/17/02	0.0857
11/06/01	0.0802	09/19/02	0.0703
11/07/01	0.0754	09/25/02	0.0849
11/08/01	0.0786	09/26/02	0.0718
11/09/01	0.0803	09/26/02	0.0850
11/13/01	0.0749	<b>02/07/03</b>	<b>0.2325</b>
11/14/01	0.0740	02/11/03	0.0818
11/15/01	0.0754	02/13/03	0.0790
11/16/01	0.0975	02/21/03	0.0732
11/27/01	0.0753	02/21/03	0.0832
11/28/01	0.0796	04/24/03	0.0846
11/29/01	0.0696	04/24/03	0.0831
11/30/01	0.0735	04/29/03	0.0810
11/30/01	0.0798	04/29/03	<b>0.1734</b>
<b>12/04/01</b>	<b>0.1630</b>	04/30/03	0.0780
12/05/01	0.0704	05/07/03	0.0867
12/05/01	0.0782	05/08/03	0.0836
12/12/01	0.0711	05/09/03	0.0860
12/13/01	0.0723	05/14/03	0.0827
12/14/01	0.0755	05/15/03	0.0833
12/18/01	0.0693	05/16/03	0.0864
01/23/02	0.0722	07/22/03	0.0763
01/24/02	0.0722	07/23/03	0.0675
01/31/02	0.0799	07/24/03	0.0778
01/31/02	0.0772	07/25/03	0.0812
02/01/02	0.0763	07/30/03	0.0851
02/05/02	0.0742	07/31/03	<b>&gt; 0.03</b>
02/08/02	0.0719	08/01/03	0.0803
02/12/02	0.0739	08/05/03	0.0838
03/19/02	0.0928	08/06/03	0.0790
03/20/02	0.0756	08/07/03	0.0805
03/21/02	0.0849	08/08/03	0.0773
03/22/02	0.0760	08/13/03	0.0849
05/08/02	0.0848	08/14/03	0.0741
05/09/02	0.0747	08/15/03	0.0685
05/10/02	0.0848	08/19/03	0.0840
05/15/02	0.0661	08/20/03	0.0821
05/17/02	0.0792	08/21/03	0.0812
05/28/02	0.0766	08/22/03	0.0820
05/29/02	0.0766	08/26/03	0.0826

DATE	MRD-50 (mg/ml)	DATE	MRD-50 (mg/ml)
08/27/03	0.0785	03/02/04	0.0838
09/04/03	0.0818	03/11/04	0.0826
09/05/03	0.0797	03/18/04	0.0820
09/09/03	0.0850	03/18/04	0.0837
09/10/03	0.0815	03/31/04	0.0808
09/11/03	0.0843	04/01/04	<b>0.1602</b>
09/24/03	0.0833	04/02/04	0.0771
09/25/03	0.0802	04/08/04	0.0799
09/26/03	0.0814	04/21/04	*
10/01/03	0.0813	04/22/04	0.0684
10/02/03	0.0832	04/23/04	0.0781
10/03/03	0.0841	04/27/04	0.0812
10/30/03	0.0823	04/28/04	0.0830
10/31/03	0.0825	04/29/04	0.0803
11/05/03	0.0778	05/05/04	0.0809
11/06/03	0.0810	05/06/04	0.0703
11/07/03	0.0804	05/07/04	0.0809
11/11/03	0.0839	05/12/04	0.0758
11/12/03	0.0748	05/13/04	0.0828
11/13/03	0.0781	05/14/04	0.0795
12/03/03	0.0873	05/19/04	0.0811
12/04/03	0.0810	05/20/04	0.0793
12/05/03	0.0795	05/21/04	0.0805
12/10/03	0.0829	05/26/04	0.0828
12/11/03	0.0842	06/30/04	0.0842
12/12/03	0.0820	07/01/04	0.0778
12/16/03	0.0835	07/07/04	0.0759
12/17/03	#	07/08/04	0.0809
12/18/03	0.0832	07/15/04	0.0721
12/19/03	0.0837	08/04/04	0.0810
12/23/03	0.0745	08/05/04	0.0785
12/30/03	0.0755	08/05/04	0.0775
12/31/03	0.0856	08/24/04	0.0799
12/31/03	0.0784	08/25/04	0.0797
01/14/04	0.0821	08/26/04	0.0792
01/15/04	0.0797	09/01/04	0.0834
01/16/04	0.0790	09/02/04	0.0756
01/20/04	0.0808	09/02/04	0.0582
01/21/04	0.0783	10/06/04	0.0782
01/22/04	0.0803	10/07/04	0.0769
01/23/04	0.0797	10/12/04	0.0757
01/27/04	0.0839	11/23/04	0.0821
01/28/04	0.0807	11/24/04	0.0833
01/29/04	0.0800	11/30/04	0.0767
01/30/04	0.0801	12/07/04	0.0781
02/11/04	0.0840	12/08/04	0.0750
02/12/04	0.0805	12/09/04	0.0751
02/12/04	0.0758	01/11/05	0.0782
02/24/04	0.0830	01/12/05	0.0771
02/26/04	0.0859	01/12/05	0.0775

DATE	MRD-50 (mg/ml)
05/03/05	<b>0.0529</b>
05/04/05	0.0704
05/05/05	0.0745
05/10/05	0.0787
05/11/05	<b>0.0221</b>
05/12/05	<b>0.0219</b>
05/17/05	0.0801
05/18/05	0.0742
05/18/05	0.0755
06/07/05	0.0836
06/08/05	0.0786
06/09/05	0.0784
06/29/05	0.0836
06/30/05	0.0702
07/06/05	0.0841
07/07/05	0.0746
07/13/05	0.0821
08/24/05	0.0780
08/25/05	0.0622
08/31/05	0.0801
09/20/05	0.0817
09/21/05	0.0714
09/22/05	<b>0.1097</b>
09/23/05	0.0802
09/29/05	<b>0.0208</b>
09/30/05	0.0793
10/06/05	0.0799
10/13/05	0.0837
11/16/05	0.0880
11/17/05	0.0810
11/22/05	0.0842
11/30/05	0.0855
12/01/05	0.0795
12/02/05	0.0790
03/08/06	0.0774
03/09/06	0.0730
03/10/06	0.0765
03/16/06	0.0711
05/03/06	0.0675
05/09/06	0.0800
05/10/06	0.0769
05/12/06	0.0743
06/28/06	0.0855
06/29/06	0.0789
06/30/06	0.0783
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Average (mg/mL)	0.0799
ST DV	0.011
CV (%)	14.3

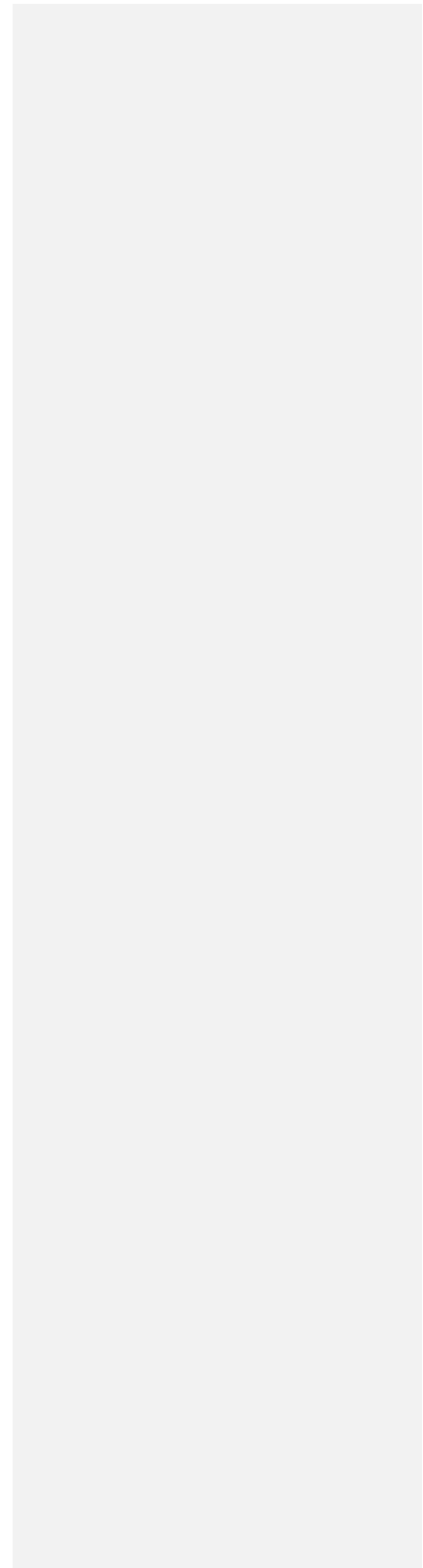
\* - Not included in the historical calculation since it was tested on a defective channel.

# - Not included in the historical calculation since cell seeding density may have been inaccurate.

Numbers in bold indicate failed assays. Value is used to calculate the average.



## Company # 3 Operator Variability



Operator 1	Operator 2	Operator 3	Operator 4
11/20/97 0.0823	1/29/99 0.0831	01/26/00 0.0761	11/27/00 0.0727
11/21/97 0.0813	2/1/99 0.0830	01/26/00 0.0768	11/28/00 0.0742
12/04/97 0.0785	2/4/99 0.0840	01/27/00 0.0787	11/29/00 0.0786
12/05/97 0.0789	2/5/99 0.0916	01/28/00 0.0788	12/12/00 0.0788
12/09/97 0.0783	2/23/99 0.0818	02/01/00 0.0840	12/13/00 0.0699
12/10/97 0.0804	2/24/99 0.0886	02/02/00 0.0749	12/14/00 0.0765
12/11/97 0.0771	2/25/99 0.0804	02/03/00 0.0772	12/28/00 0.0816
12/12/97 0.0794	2/26/99 0.0960	02/04/00 0.0794	12/29/00 0.0729
12/16/97 0.0779	2/26/99 0.0750	04/14/00 0.0764	12/29/00 0.0809
12/16/97 0.0757	3/01/99 0.0848	04/17/00 0.0780	2/5/01 0.0887
12/23/97 0.0813	3/02/99 0.0779	04/18/00 0.0740	2/6/01 0.0753
12/23/97 0.0788	3/03/99 0.0816	04/19/00 0.0723	2/9/01 0.0734
12/24/97 0.0811	3/03/99 0.0821	04/24/00 0.0810	2/12/01 0.0773
12/24/97 0.0810	3/04/99 0.0830	04/25/00 0.0824	3/5/01 0.0751
1/21/98 0.0815	3/04/99 0.0840	06/13/00 0.0813	3/6/01 0.0759
1/21/98 0.0825	3/05/99 0.0827	06/13/00 0.0753	3/14/01 0.0782
1/21/98 0.0791	3/09/99 0.0775	06/13/00 0.0802	3/20/01 0.0798
4/14/98 0.0812	3/10/99 0.0978	07/13/00 0.0841	3/21/01 0.0666
4/16/98 0.0798	3/16/99 0.0768	07/14/00 0.0729	3/22/01 0.0687
4/17/98 0.0785	3/18/99 0.0727	07/17/00 0.0762	3/23/01 0.0769
4/24/98 0.0813	3/19/99 0.0796	07/24/00 0.0800	3/27/01 0.0783
4/28/98 0.0795	3/23/99 0.1410	07/25/00 0.0758	9/5/01 0.0790
4/28/98 0.0809	3/24/99 0.0864	07/25/00 0.0731	9/6/01 0.0748
6/5/98 0.0817	3/25/99 0.0793	07/27/00 0.0761	9/6/01 0.0752
6/15/98 0.0870	3/26/99 0.0711	07/28/00 0.0721	9/7/01 0.0694
6/15/98 0.0907	3/30/99 0.0754	08/02/00 0.0811	9/12/01 0.0795
6/19/98 0.0779	4/01/99 0.0801	08/10/00 0.0772	9/13/01 0.0681
6/19/98 0.0837	4/02/99 0.0758	08/11/00 0.0740	9/13/01 0.0702
7/30/98 0.0834	4/06/99 0.0813	08/11/00 0.0731	11/06/01 0.0802
7/31/98 0.0906	4/07/99 0.0763	08/25/00 0.0847	11/07/01 0.0754
8/3/98 0.0869	4/08/99 0.0801	08/25/00 0.0730	11/08/01 0.0786
9/10/98 0.0780	4/09/99 0.0763	10/04/00 0.0750	11/09/01 0.0803
9/11/98 0.0811	4/09/99 0.0727	10/06/00 0.0777	
9/11/98 0.0941	4/13/99 0.0612	10/11/00 0.0815	
10/9/98 0.0858	4/14/99 0.0674		
10/13/98 0.0814	4/15/99 0.0738		
10/14/98 0.0869	4/22/99 0.0752		
10/15/98 0.0059	4/23/99 0.0742		
10/16/98 0.0854	4/27/99 0.0752		
10/20/98 0.0799	4/28/99 0.0710		
10/21/98 0.0813	4/30/99 0.0661		
10/22/98 0.0826	5/04/99 0.0719		
10/23/98 0.0826	5/05/99 0.0723		
11/6/98 0.0840	5/07/99 0.0690		
11/9/98 0.0957	6/02/99 0.0789		
11/10/98 0.0831	6/03/99 0.0760		
11/11/98 0.0922	6/04/99 0.0711		
11/13/98 0.0968	8/10/99 0.0785		
11/16/98 0.0924	8/11/99 0.0779		
	8/12/99 0.0782		
	8/13/99 0.0801		
	8/17/99 0.0815		
	8/18/99 0.0794		
	9/16/99 0.0781		
	9/17/99 0.0805		
	9/17/99 0.0801		
	10/07/99 0.0745		
	10/13/99 0.0824		
	10/14/99 0.0816		
	10/15/99 0.0796		
	10/19/99 0.0833		
	10/21/99 0.0861		
	10/22/99 0.0812		
	11/22/99 0.0793		
	11/23/99 0.0804		
	11/24/99 0.0786		
	12/13/99 0.0820		
	12/14/99 0.0732		
	12/15/99 0.0847		
	12/16/99 0.0788		
	12/17/99 0.0756		
	12/20/99 0.0823		
	12/21/99 0.0783		
	12/23/99 0.0968		
	01/25/00 0.0832		
	01/25/00 0.0824		
			6/27/01 0.1247
			6/28/01 0.0790
			7/2/01 0.0811
			7/3/01 0.0767
			7/6/01 0.0765
			7/11/01 0.0753
			7/12/01 0.0738
			7/13/01 0.0917
			7/17/01 0.0793
			7/18/01 0.0834
			7/19/01 0.0817
			7/20/01 0.0768
			8/22/01 0.0740
			8/23/01 0.0765
			8/24/01 0.0769
			8/28/01 0.0227
			8/29/01 0.0698
			10/02/01 0.0813
			10/03/01 0.0817
			10/03/01 0.0812
			10/17/01 0.0832
			11/13/01 0.0749
			11/14/01 0.0740
			11/15/01 0.0754
			11/16/01 0.0975
			11/27/01 0.0753
			11/28/01 0.0796
			11/29/01 0.0696
			11/30/01 0.0735
			11/30/01 0.0798
			12/04/01 0.1630
			12/05/01 0.0704
			12/05/01 0.0782
			12/12/01 0.0711
			12/13/01 0.0723
			12/14/01 0.0755
			12/18/01 0.0693
			01/23/02 0.0722
			01/24/02 0.0722
			01/31/02 0.0799
			01/31/02 0.0772
			02/01/02 0.0763
			02/05/02 0.0742
			02/08/02 0.0719
			02/12/02 0.0739
			03/19/02 0.0928
			03/20/02 0.0756
			03/21/02 0.0849
			03/22/02 0.0760
			05/08/02 0.0848
			05/09/02 0.0747
			05/10/02 0.0848
			05/15/02 0.0661
			05/17/02 0.0792
			05/28/02 0.0766
			05/29/02 0.0766
			05/30/02 0.0848
			08/02/02 0.0713
			08/08/02 0.0748
			08/09/02 0.0743
			08/15/02 0.1137
			08/15/02 0.0782
			09/06/02 0.0871
			09/10/02 0.0808
			09/11/02 0.0760
			09/12/02 0.0791
			09/17/02 0.0857
			09/19/02 0.0703
			09/25/02 0.0849
			09/26/02 0.0718
			09/26/02 0.0850
			02/07/03 0.2325
			02/11/03 0.0818
			02/13/03 0.0790
			02/21/03 0.0732
			02/21/03 0.0832

Operator 5		Operator 6		Operator 7		Operator 8	
05/07/03	0.0867	09/24/03	0.0833	09/20/05	0.0817	05/03/06	0.0675
05/08/03	0.0836	09/25/03	0.0802	09/21/05	0.0714	05/09/06	0.0800
05/09/03	0.0860	09/26/03	0.0814	09/22/05	<b>0.1097</b>	05/10/06	0.0769
05/14/03	0.0827	10/01/03	0.0813	09/23/05	0.0802	05/12/06	0.0743
05/15/03	0.0833	10/02/03	0.0832	09/29/05	<b>0.0208</b>	06/28/06	0.0855
05/16/03	0.0864	10/03/03	0.0841	09/30/05	0.0793	06/29/06	0.0789
07/22/03	0.0763	10/30/03	0.0823	10/06/05	0.0799	06/30/06	0.0783
07/23/03	0.0675	10/31/03	0.0825	10/13/05	0.0837		
07/24/03	0.0778	11/05/03	0.0778	11/16/05	0.0880		
07/25/03	0.0812	11/06/03	0.0810	11/17/05	0.0810		
07/30/03	0.0851	11/07/03	0.0804	11/22/05	0.0842		
07/31/03	<b>&gt; 0.03</b>	12/03/03	0.0873	11/30/05	0.0855		
08/01/03	0.0803	12/04/03	0.0810	12/01/05	0.0795		
08/05/03	0.0838	12/05/03	0.0795	12/02/05	0.0790		
08/06/03	0.0790	12/10/03	0.0829	03/08/06	0.0774		
08/07/03	0.0805	12/11/03	0.0842	03/09/06	0.0730		
08/08/03	0.0773	12/12/03	0.0820	03/10/06	0.0765		
08/13/03	0.0849	12/16/03	0.0835	03/16/06	0.0711		
08/14/03	0.0741	12/17/03	0.0812				
08/15/03	0.0685	12/18/03	0.0832				
08/19/03	0.0840	12/19/03	0.0837				
08/20/03	0.0821	12/23/03	0.0745				
08/21/03	0.0812	12/30/03	0.0755				
08/22/03	0.0820	12/31/03	0.0856				
08/26/03	0.0826	12/31/03	0.0784				
08/27/03	0.0785	01/28/04	0.0807				
01/14/04	0.0821	01/29/04	0.0800				
01/15/04	0.0797	01/30/04	0.0801				
01/16/04	0.0790	02/11/04	0.0840				
01/20/04	0.0808	02/12/04	0.0805				
03/31/04	0.0808	02/12/04	0.0758				
04/21/04	0.0430	02/24/04	0.0830				
04/22/04	0.0684	02/26/04	0.0859				
04/23/04	0.0781	03/02/04	0.0838				
05/05/04	0.0809	03/11/04	0.0826				
05/06/04	0.0703	03/18/04	0.0820				
05/07/04	0.0809	03/18/04	0.0837				
05/12/04	0.0758	06/30/04	0.0842				
05/13/04	0.0828	07/01/04	0.0778				
05/14/04	0.0795	07/07/04	0.0759				
05/19/04	0.0811	07/08/04	0.0809				
05/20/04	0.0793	07/15/04	0.0721				
05/21/04	0.0805	08/04/04	0.0810				
05/26/04	0.0828	08/05/04	0.0785				
		08/05/04	0.0775				
		08/24/04	0.0799				
		08/25/04	0.0797				
		08/26/04	0.0792				
		09/01/04	0.0834				
		09/02/04	0.0756				
		09/02/04	0.0582				
		10/06/04	0.0782				
		10/07/04	0.0769				
		10/12/04	0.0757				
		11/23/04	0.0821				
		11/24/04	0.0833				
		11/30/04	0.0767				
		12/07/04	0.0781				
		12/08/04	0.0750				
		12/09/04	0.0751				
		01/11/05	0.0782				
		01/12/05	0.0771				
		01/12/05	0.0775				
		05/11/05	<b>0.0221</b>				
		05/12/05	<b>0.0219</b>				
		05/17/05	0.0801				
		05/18/05	0.0742				
		05/18/05	0.0755				
		06/07/05	0.0836				
		06/08/05	0.0786				
		06/09/05	0.0784				
		06/29/05	0.0836				
		06/30/05	0.0702				
		07/06/05	0.0841				

<b>Operator Number</b>	<b>Number of Experiments</b>	<b>Average MRD<sub>50</sub> (mg/mL)</b>	<b>Standard Deviation</b>	<b>Coefficient of Variation (%)</b>
1	49	0.0830	0.0050	6.03
2	110	0.0800	0.0094	11.81
3	32	0.0760	0.0047	6.14
4	76	0.0814	0.0228	28.06
5	44	0.0791	0.0073	9.18
6	80	0.0781	0.0102	13.07
7	18	0.0779	0.0166	21.25
8	7	0.0773	0.0055	7.15

**COLIPA Raw Data from Company # 5**

**Commento [c10]:** It is not Possible to correct the text inside. There are some company names.



Date/Datum

Out/Vår ref.

Anders Peterson

950627

Dr David Lovell  
COLIPA Data Coordinator  
BIBRA Toxicology International  
Crashalton  
Surrey, SMS 4DS  
United Kingdom

Below and in the revised protocols are my answers to the "BIBRA Quality Assurance Audits" comments to Laboratory 28.

b (i). Entries under the column "Physical appearance" are wrong due to a misunderstanding. Entries are changed in the revised protocol.

b(ii). NST ( not suitable for testing ) is changed to "Unsuitable for testing" and placed in the MRD50 columns.

b(iii). Changed in accordance with your comments.

b(iv). For sample 2479 n.f. means "not found", This is taken from the Excel spreadsheet analysis since no MRD50 value was obtained. Since I runned out of test sample no additional testing was performed.

b(v). The formula in the original protocol shall be changed, wich had been reported from the leading laboratory.  
The correct formula shall be:

$$A/ 1+ e^{(B^* (\log MRD50 - G ))}$$

b(vi). Sample number 3825 MRD50 found to be higher than 316.2 mg/ml.

b(vii) Compliance with GLP. Corrected for.

I hope you will find changes and comments made satisfactory.

Most Sincerely

## Address

S. Långebergsgatan 30  
S-421 82 Västra Frölunda  
Sweden

## Telephone

+46 31 68 04 80

## Telefax

+46 31 68 07 17

Appendix 2  
 Data Report Form  
 COLIPA In Vitro Eye Irritation Validation Programme -  
 PHASE 2

CORE DATA Cytosensor Microphysiometer							SUPPLEMENTAL DATA	
Sample ID	Physical Appearance	Log (MRD <sub>50</sub> ) (MRD <sub>50</sub> in µg/ml)				Predicted MMAS <sup>®</sup>		95% Confidence
		Trial 1	Trial 2	Trial 3	Average			
2003	Pink clear liquid	4.879	4.686	4.279	4.679	2.060	<del>27.6</del>	
2136	colourless liquid	3.433	3.441	3.456	3.444	17.310	<del>12.31.5</del>	
2146	White gel	Unsuitable for testing					<del>26.8</del>	
2201	Colourless liquid	4.994	4.995	5.002	4.997	1.158	<del>28.30.7</del>	
2254	Colourless liquid	5.469	5.455	5.472	5.466	0.500	<del>28.930.0</del>	
2263	Red powder	Unsuitable for testing						
2283	White gel	Unsuitable for testing						
2292	White gel	Unsuitable for testing						
2300	White gel	Unsuitable for testing						
2331	White gel	Unsuitable for testing						
2386	Clear yellow vis	2.826	2.771	2.892	2.833	42.358	<del>11.671.2</del>	
2405	White gel	Unsuitable for testing						
2459	Clear liq.w.pro.	Unsuitable for testing						
2475	White gel	Unsuitable for testing						
2479	Clear visc.liq.	n.f	5.315	5.324	5.320	0.651	<del>28.830.2</del>	

Values to be determined by parties directed by the management team.

Performing Laboratory Code No: 28

n.f = not found  
 visc. = viscous  
 liq. = liquid

Study Director for  
 Performing Laboratory: Dr. Anders Peterson  
 (print)

[Signature] 950628  
 (signature) (date)

Active Supervised by: Peter Sandberg  
 (print)

[Signature] 950628  
 (signature) (date)

Please return this form to:  
 Dr. David Lovell, COLIPA Data Coordinator, BIRA Toxicology International Woodmanslane Road, Crowtham,  
 SURREY, SM5 4DS, UK (Fax 44-(0)181-651 7029)

Appendix 2  
Data Report Form  
COLIPA In Vitro Eye Irritation Validation Programme  
PHASE 2

Sample ID	Physical Appearance	Log (MRD <sub>50</sub> ) (MRD <sub>50</sub> in µg/ml)				Predicted MMS <sup>®</sup>	95% Confidence	SUPPLEMENTAL DATA
		Trial 1	Trial 2	Trial 3	Average			
		2563	Colourless liquid	4.561	4.730			
2638	White gel	Unsuitable for testing.						
2673	Opalescent white	Unsuitable for testing.						
2764	Colourless two-ph	Unsuitable for testing.						
2811	Colourless liquid	3.093	3.155	3.167	3.140	27.660	-2.5 / 36.8	
2845	Colourless liquid	Unsuitable for testing.						
2901	Colourless liquid	2.556	2.477	2.415	2.491	63.220	32.5 / 92.7	
3067	Clear yellow liq.	Unsuitable for testing.						
3177	Colourless liquid	Unsuitable for testing.						
3191	Colourless liquid	2.724	2.699	2.699	2.708	49.530	20 / 71.9	
3207	Colourless liquid	4.245	4.221	4.208	4.225	4.610	-25.2 / 34.8	
3232	Black gel	Unsuitable for testing.						
3306	Colourless liquid	3.121	3.425	3.394	3.332	20.660	-8.0 / 31.4	
3328	Colourless vis. li	2.886	2.903	2.851	2.881	39.785	14.3 / 74.0	
3337	White crystals	4.424	4.396	4.426	4.415	3.296	-26.2 / 33.0	

Values to be determined by persons directed by the management team.

Performing Laboratory Code No.: 28

n.f = not found  
visc. = viscous  
liq. = liquid

Study Director for Performing Laboratory: Dr. Anders Peterson  
(print)

*[Signature]* 950628  
(signature) (date)

Above Supervised by: Peter Sandberg  
(print)

*[Signature]* 950628  
(signature) (date)

Please return this form to:  
Dr. David Lovell, COLIPA Data Coordinator, BIRA Toxicology International Woodmansterne Road, Crayke, Surrey, SWS 4DS, UK (Fax 44-(0)81-661 7229)



Appendix 2  
Data Report Form  
COLIPA In Vitro Eye Irritation Validation Programme  
PHASE 2

CORE DATA Cytosensor Microphysiometer						SUPPLI- MENTAL DATA		
Sample ID	Physical Appearance	Log (MRD <sub>50</sub> ) (MRD <sub>50</sub> in µg/ml)					Predicted MMAS <sup>®</sup>	95% Conf- ence <sup>®</sup>
		Trial 1	Trial 2	Trial 3	Average			
3355	White vis. liquid	Unsuitable for testing.						
3357	Colourless liquid	4.290	4.026	4.028	4.133	5.416	-24.4 34.9	
3392	White gel	Unsuitable for testing.						
3415	White viscous liq.	Unsuitable for testing.						
3434	Colourless liquid	2.771	2.785	2.785	2.785	45.040	14.34 74.0	
3440	Colourless liquid	2.833	2.898	2.845	2.863	40.740	11.6 71.2	
3470	White-yellow gel	Unsuitable for testing.						
3488	Colourless liquid	Unsuitable for testing.						
3500	Colourless liquid	3.394	3.371	3.387	3.386	18.984	-11.2 48.3	
3517	Colourless liquid	3.480	3.667	3.727	3.636	12.657	-17.4 42.0	
3556	Colourless liquid	5.357	5.329	5.334	5.340	0.628	-29.0 30.1	
3561	Slightly yell liq.	3.622	3.476	3.519	3.543	14.751	-15.4 44.3	
3677	Green clear vis	3.691	3.836	3.668	3.739	10.657	-19.2 40.1	
3720	Colourless liquid	3.127	3.164	2.963	3.093	29.970	-2.5 56.9	
3724	Colourless liquid with crystal precipitation	Unsuitable for testing.						

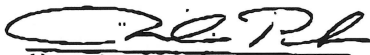
Values to be determined by partner directed by the management team.

Performing Laboratory Code No: 28

n.f = not found  
visc. = viscous  
liq. = liquid

Study Director for

Performing Laboratory: Dr. Anders Peterson  
(print)

  
(signature) 950628  
(date)

Always Supervised by: Peter Sandberg  
(print)

  
(signature) 950628  
(date)

Please return this form to:  
Dr. David Lovell, COLIPA Data Coordinator, BIRA Toxicology International Woodmancroft Road, Chesham,  
SURREY, SWS 4DS, UK (Fax 44-(0)81-661 7029)

Appendix 2  
Data Report Form  
COLIPA In Vitro Eye Irritation Validation Programme  
PHASE 2


CORE DATA Cytosensor Microphysiometer							SUPPLI- MENTAL DATA	
Sample ID	Physical Appearance	Log (MRD <sub>50</sub> ) (MRD <sub>50</sub> in ng/ml)				Predicted KMAS <sup>®</sup>		95% Confi- dence <sup>®</sup>
		Trial 1	Trial 2	Trial 3	Average			
3731	Orange powder	Unsuitable for testing						
3746	Black gel	Unsuitable for testing						
3764	White gel	Unsuitable for testing						
3789	Colourless liquid	4.980	5.135	5.151	5.095	0.983	<del>28.6</del> 30.5	
3825	Colourless liquid	>5.5	>5.5			<0.330		
3837	White gel	Unsuitable for testing						
3864	Colourless liquid	3.114	3.090	3.079	3.093	29.630	<del>-0.4</del> 59.0	
3881	White gel	Unsuitable for testing						
3906	White gel	Unsuitable for testing						
3918	White powder	Unsuitable for testing						

Values to be determined by parties directed by the management team.


Performing Laboratory Code No.: 28

n.f = not found  
visc. = viscous  
liq. = liquid

Study Director for  
Performing Laboratory: Dr. Anders Peterson  
(print)

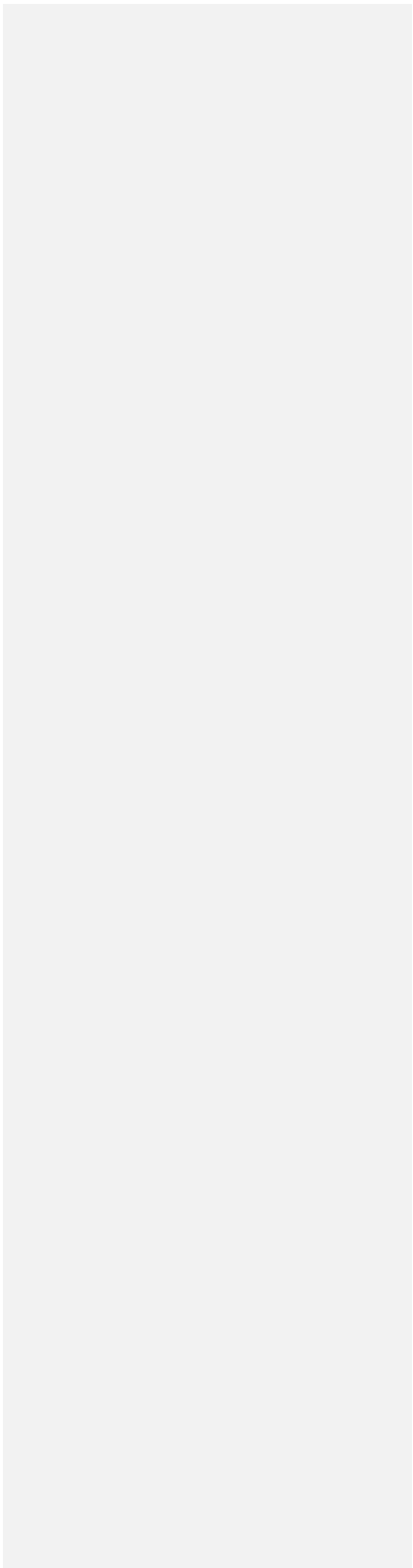
  
(signature) 950628  
(date)

Assay Supervised by: Peter Sandberg  
(print)

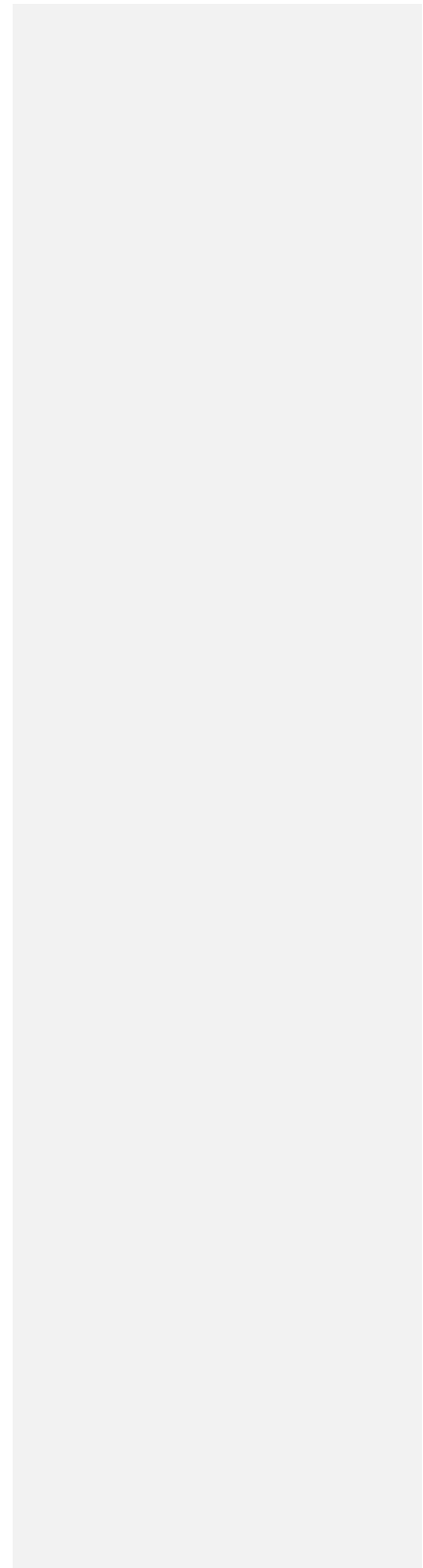
  
(signature) 950628  
(date)

Please return this form to:  
Dr. David Lovell, COLIPA Data Coordinator, BIEBA Toxicology International Woodmancroft Road, Cranham,  
SURREY, SM5 6DS, UK (Fax 44 (0)81-661 7025)

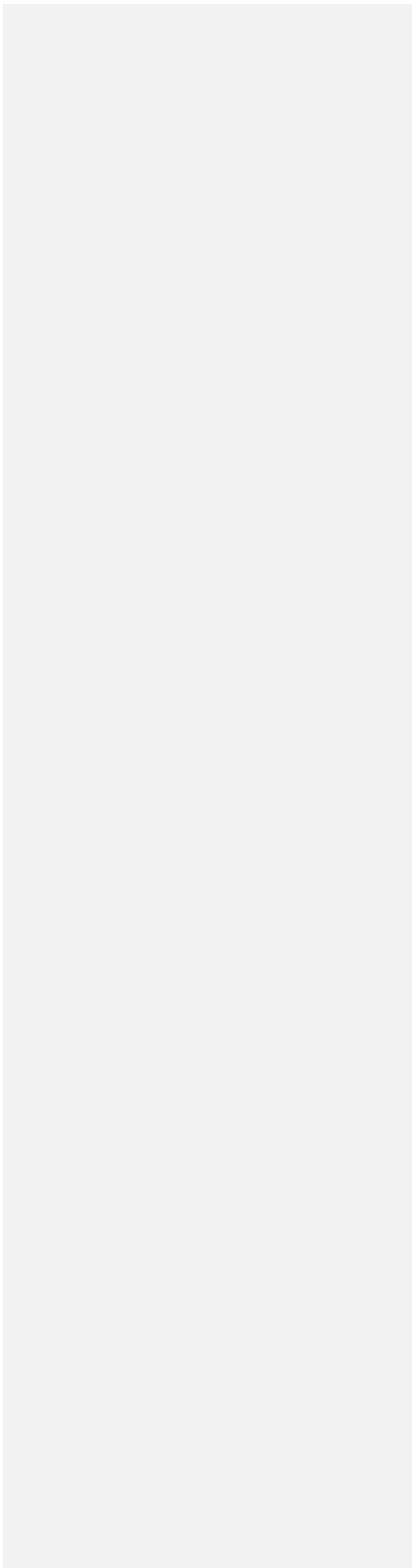
**ANNEX I**  
**(CTFA Phase III Study Animal Data)**



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**CTFA Phase III Study  
Draize Hazard Classification Spreadsheets**



Reference	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
Resistance (YES/NO/7 days)										
Cornea Opacity										
Iris										
Conjunctiva Redness										
Discharge										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

Parameter	EU	YES	EU	YES	EU	YES	EU	YES	EU	YES
min. in days										
max. in days										
min. in days										
max. in days										

SUBSTANCE		I/2B		No. of animals		Date entry		AS		SUMMARY		EU		GHS		EPA		NO	
CAZ-NP	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Chemical name	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 2	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 4	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 6	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Substance	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
CAZ-NP	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Chemical name	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 2	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 4	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 6	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Substance	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
CAZ-NP	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Chemical name	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 2	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 4	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 6	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Substance	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
CAZ-NP	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Chemical name	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US
Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 2	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 4	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 6	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18







SUBSTANCE CAS-Nr CAS-Name IUPAC name Synonyms Concentration 100% Substance source MMS (E.CE.COD.) DMR DMP	NO. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals	Date entry Date Date Date Date Date Date	AS IC-Code	SUMMARY							EU			GHS			EPA		
				Persistence (YES/NO/?, days)							YES			NO			7		
				Persistence	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Cat. 5	Cat. 6	max. cornea of 47?	max. cornea of 47?	max. cornea of 47?	mean in median	R05	R04	cornea of 47?	max. score	mean in median
<p>Notes: (reversible (EU/GHS) (EPA) )</p>																			

SUBSTANCE CAS-Nr CAS-Name IUPAC name Synonyms Concentration 100% Substance source MMS (E.CE.COD.) DMR DMP	NO. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals	Date entry Date Date Date Date Date Date	AS IC-Code	SUMMARY							EU			GHS			EPA		
				Persistence (YES/NO/?, days)							YES			NO			7		
				Persistence	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Cat. 5	Cat. 6	max. cornea of 47?	max. cornea of 47?	max. cornea of 47?	mean in median	R05	R04	cornea of 47?	max. score	mean in median
<p>Notes: (reversible (EU/GHS) (EPA) )</p>																			

SUBSTANCE CAS-Nr CAS-Name IUPAC name Synonyms Concentration 100% Substance source MMS (E.CE.COD.) DMR DMP	NO. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals	Date entry Date Date Date Date Date Date	AS IC-Code	SUMMARY							EU			GHS			EPA		
				Persistence (YES/NO/?, days)							YES			NO			7		
				Persistence	Cat. 1	Cat. 2	Cat. 3	Cat. 4	Cat. 5	Cat. 6	max. cornea of 47?	max. cornea of 47?	max. cornea of 47?	mean in median	R05	R04	cornea of 47?	max. score	mean in median
<p>Notes: (reversible (EU/GHS) (EPA) )</p>																			

Substance	IUPAC	No. of animals	Date of entry	AS	Persistence (YES/NO/?, days)	EU			GHS			EPA		
						YES	NO	?	YES	NO	?	max. cornes of 47	max. cornes of 47	max. cornes of 47
CAS-No.	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP	EU CLP
Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation
Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source
Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification
EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU
Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1	Category 1
<b>Animal 1</b>														
Animal 1	hour	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornes opacity	day	2	3	4	5	6	7	8	9	10	11	12	13	14
Area involved	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU & GHS full reversibility after ... day(s) 14														
<b>Animal 2</b>														
Animal 2	hour	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornes opacity	day	2	3	4	5	6	7	8	9	10	11	12	13	14
Area involved	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU & GHS full reversibility after ... day(s) 7														
<b>Animal 3</b>														
Animal 3	hour	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornes opacity	day	2	3	4	5	6	7	8	9	10	11	12	13	14
Area involved	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU & GHS full reversibility after ... day(s) 7														
<b>Animal 4</b>														
Animal 4	hour	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornes opacity	day	2	3	4	5	6	7	8	9	10	11	12	13	14
Area involved	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU & GHS full reversibility after ... day(s) 7														
<b>Animal 5</b>														
Animal 5	hour	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornes opacity	day	2	3	4	5	6	7	8	9	10	11	12	13	14
Area involved	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Les. mucocutaneous	day	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	day	2	2	2	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU & GHS full reversibility after ... day(s) 7														

Reversible	EU (GHS)	EPA
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21



Substance	HCH	No. of animals	Date of entry	AS	Summary	EU	GH5	EPA	NO	NO			
CAE-NP	6	100%	01	01	Persistence (YES/NO/?, days)	mean/median	RO5	Rd1	percentile	Cat. 1	Cat. 2	Cat. 3	max. score
Animal 1	hour	1	4	1	1	1	1	1	1	1	1	1	1
Animal 2	hour	1	4	1	1	1	1	1	1	1	1	1	1
Animal 3	hour	1	4	1	1	1	1	1	1	1	1	1	1
Animal 4	hour	1	4	1	1	1	1	1	1	1	1	1	1
Animal 5	hour	1	4	1	1	1	1	1	1	1	1	1	1











SUBSTANCE		IHM		no. of animals		Date entry		AS		SUMMARY		EU		GHS		EPA		NO					
CAZ-NP	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	Persistence (YES/NO/?, days)	mean (median, RO5, Rd1)	percentile	Cat. 2	Cat. 1	cornes of 47	max. cornes	max. pH	max. fluores	max. chemosis				
Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation		0.11	0.00	0	0	0	1	0	0	0				
Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration		0.00	0.00	0	0	0	0	0	0	0				
Stimulus source	Stimulus source	Stimulus source	Stimulus source	Stimulus source	Stimulus source	Stimulus source	Stimulus source	Stimulus source	Stimulus source		0.11	0.00	0	0	0	1	0	0	0				
AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)	AMAS (RECEIVED)		0.11	0.00	0	0	0	1	0	0	0				
EU	EU	EU	EU	EU	EU	EU	EU	EU	EU		0.11	0.00	0	0	0	1	0	0	0				
EU	EU	EU	EU	EU	EU	EU	EU	EU	EU		0.11	0.00	0	0	0	1	0	0	0				
not classified	not classified	not classified	not classified	not classified	not classified	not classified	not classified	not classified	not classified		0.11	0.00	0	0	0	1	0	0	0				
no category	no category	no category	no category	no category	no category	no category	no category	no category	no category		0.11	0.00	0	0	0	1	0	0	0				
EU	EU	EU	EU	EU	EU	EU	EU	EU	EU		0.11	0.00	0	0	0	1	0	0	0				
EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA		0.11	0.00	0	0	0	1	0	0	0				
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:	EU & GHS full reversibility after ... day(s) 3																						
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:	EU & GHS full reversibility after ... day(s) 3																						
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:	EU & GHS full reversibility after ... day(s) 3																						
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:	EU & GHS full reversibility after ... day(s) 3																						
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:	EU & GHS full reversibility after ... day(s) 3																						
Animal 6	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:	EU & GHS full reversibility after ... day(s) 3																						

reversible	reversible
(EU/GHS)	(EPA)
3	3
3	3
3	3
3	3
3	3
3	3
3	3
3	3

FALSE

SUBSTANCE		I/Z/N		no. of animals		date of entry		AS		EPA		EU		GHS		EPA		NO		
CAZ-NP	EU-CLP	no. of animals	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	
CAZ-NP	EU-CLP	6	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	
EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	
EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	EU-CLP	
Animal 1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	1	Animal 1	
Animal 2	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1	Animal 2	1
Animal 3	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1	Animal 3	1
Animal 4	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1	Animal 4	1
Animal 5	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1	Animal 5	1

SUBSTANCE		HPZ	no. of animals	date of entry	AS	SUMMARY		EU	GHS	EPA	NO													
CAZ-NP	HPZ		no. of animals	date of entry	AS	Perseverance (YES/NO) (7 days)	EU	NO	NO	NO	NO													
Formulation	HPZ		no. of animals	date of entry	AS	Perseverance (YES/NO) (7 days)	EU	NO	NO	NO	NO													
Concentration	HPZ		no. of animals	date of entry	AS	Perseverance (YES/NO) (7 days)	EU	NO	NO	NO	NO													
Substance source	HPZ		no. of animals	date of entry	AS	Perseverance (YES/NO) (7 days)	EU	NO	NO	NO	NO													
Animal 1	hour	4	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Les			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:			mean: median: ROS: Ret: cornea of 4? max: score																					
Animal 2	hour	4	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Les			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:			mean: median: ROS: Ret: cornea of 4? max: score																					
Animal 3	hour	4	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Les			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:			mean: median: ROS: Ret: cornea of 4? max: score																					
Animal 4	hour	4	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Les			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:			mean: median: ROS: Ret: cornea of 4? max: score																					
Animal 5	hour	4	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Les			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Notes:			mean: median: ROS: Ret: cornea of 4? max: score																					

<b>SUMMARY</b>					
EU	NO	GH5	NO	EPA	NO
Persistence (YES/NO/?, days)					
mean/median		R05 R04		Cat 1	
0.22		0		0	
0.11		0		0	
0.44		0		0	
Cornua Opacity					
mean		cornua of 47		max. score	
0.11		0		0	
0.44		0		0	
Iris at Lucula Redness					
mean		cornua of 47		max. score	
0.11		0		0	
0.44		0		0	
Chromidosis					
mean		cornua of 47		max. score	
0.11		0		0	
0.44		0		0	

Substance	H2O	No. of animals	Data entry	AS	day	EU & GH5 full reversibility after ... days							EU & GH5 full reversibility after ... days				max. score						
						1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris at Lucula Redness		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromidosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU & GH5 full reversibility after ... days: 1																					
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris at Lucula Redness		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromidosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU & GH5 full reversibility after ... days: 7																					
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris at Lucula Redness		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromidosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU & GH5 full reversibility after ... days: 3																					
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris at Lucula Redness		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromidosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU & GH5 full reversibility after ... days: 3																					
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris at Lucula Redness		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromidosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU & GH5 full reversibility after ... days: 3																					
Animal 6	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris at Lucula Redness		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chromidosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU & GH5 full reversibility after ... days: 7																					

reversible	reversible
EU(GH5)	(EPA)
1	0
2	0
3	0
4	0
5	0
6	0
7	0

1	-
2	-
3	-
4	-
5	-
6	-
7	-

FALSE

ISZ	g	Date entry	AS
no. of animals	10	Date	10-Oct
reference		Quality check	
study duration	0.1	Date	
study		EMVA QC	
EMVA		Date	
EMVA QC			
EMVA			
EMVA			
EMVA			

<b>SUMMARY</b>		<b>EU</b>	<b>GHS</b>	<b>EPA</b>
Persistence (YES/NO/?, days)		YES	NO	YES
Cornea Opacity	median			
Inflammation	0.92			
Conjunctiva Redness	1.94			
Chemosis	1.39			

percentile	7	max. chemosis	3
cornua of 4?	0	max. redness	3
Cat. 1	0	max. opacity	3
Cat. 2	0	max. chemosis	3

no. of animals	20
----------------	----

EU & GHS	EU & GHS full reversibility after ... days
0	7

mean	cornua of 4?	max. score
0.67	0	1
0.67		3
2.00		3

hour	day	EU & GHS	EU & GHS full reversibility after ... days
1	4	1	2
2	4	1	2
3	4	1	2
4	4	1	2
5	4	1	2
6	4	1	2
7	4	1	2
8	4	1	2
9	4	1	2
10	4	1	2
11	4	1	2
12	4	1	2
13	4	1	2
14	4	1	2
15	4	1	2
16	4	1	2
17	4	1	2
18	4	1	2
19	4	1	2

mean	cornua of 4?	max. score
0.67	0	1
0.67		3
2.00		3

reversible (EU/GHS)	irreversible (EPA)
7	0
7	0
7	0
7	0
7	0
7	0

hour	day	EU & GHS	EU & GHS full reversibility after ... days
1	4	1	2
2	4	1	2
3	4	1	2
4	4	1	2
5	4	1	2
6	4	1	2
7	4	1	2
8	4	1	2
9	4	1	2
10	4	1	2
11	4	1	2
12	4	1	2
13	4	1	2
14	4	1	2
15	4	1	2
16	4	1	2
17	4	1	2
18	4	1	2
19	4	1	2

mean	cornua of 4?	max. score
0.33	0	1
0.00		2
1.67		2
0.67		2

reversible (EU/GHS)	irreversible (EPA)
7	0
7	0
7	0
7	0
7	0
7	0

hour	day	EU & GHS	EU & GHS full reversibility after ... days
1	4	1	2
2	4	1	2
3	4	1	2
4	4	1	2
5	4	1	2
6	4	1	2
7	4	1	2
8	4	1	2
9	4	1	2
10	4	1	2
11	4	1	2
12	4	1	2
13	4	1	2
14	4	1	2
15	4	1	2
16	4	1	2
17	4	1	2
18	4	1	2
19	4	1	2

mean	cornua of 4?	max. score
0.67	0	1
0.33		1
1.67		2
1.00		2

reversible (EU/GHS)	irreversible (EPA)
7	0
7	0
7	0
7	0
7	0
7	0

hour	day	EU & GHS	EU & GHS full reversibility after ... days
1	4	1	2
2	4	1	2
3	4	1	2
4	4	1	2
5	4	1	2
6	4	1	2
7	4	1	2
8	4	1	2
9	4	1	2
10	4	1	2
11	4	1	2
12	4	1	2
13	4	1	2
14	4	1	2
15	4	1	2
16	4	1	2
17	4	1	2
18	4	1	2
19	4	1	2

mean	cornua of 4?	max. score
1.00	0	1
0.67		2
2.00		2
1.33		3

reversible (EU/GHS)	irreversible (EPA)
7	0
7	0
7	0
7	0
7	0
7	0

Reference	Lot/Animal ID	Date	AS	FC-DO
100%	0.1			
EU and GHS				
<b>Classification</b>				
EU				
EU				
EU & GHS	category 1			

Reference	No. of animals	Date	AS	FC-DO
100%	0.1			
EU and GHS				
<b>Classification</b>				
EU				
EU				
EU & GHS	category 1			

Reference	No. of animals	Date	AS	FC-DO
100%	0.1			
EU and GHS				
<b>Classification</b>				
EU				
EU				
EU & GHS	category 1			

Reference	No. of animals	Date	AS	FC-DO
100%	0.1			
EU and GHS				
<b>Classification</b>				
EU				
EU				
EU & GHS	category 1			

Reference	No. of animals	Date	AS	FC-DO
100%	0.1			
EU and GHS				
<b>Classification</b>				
EU				
EU				
EU & GHS	category 1			

Reference	No. of animals	Date	AS	FC-DO
100%	0.1			
EU and GHS				
<b>Classification</b>				
EU				
EU				
EU & GHS	category 1			





Substance	CAS-Nr	IHDU	No. of animals	Date of entry into force	Date of entry into force	SUMMARY		EU		GHS		EPA	
						Persistence (YES/NO/?, days)	mean (median) RO5	Ro5	Ro5	Ro5	Ro5	Ro5	Ro5
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6	6	6	6	6	6	6
Animal 7	7	7	7	7	7	7	7	7	7	7	7	7	7
Animal 8	8	8	8	8	8	8	8	8	8	8	8	8	8
Animal 9	9	9	9	9	9	9	9	9	9	9	9	9	9
Animal 10	10	10	10	10	10	10	10	10	10	10	10	10	10
Animal 11	11	11	11	11	11	11	11	11	11	11	11	11	11
Animal 12	12	12	12	12	12	12	12	12	12	12	12	12	12
Animal 13	13	13	13	13	13	13	13	13	13	13	13	13	13
Animal 14	14	14	14	14	14	14	14	14	14	14	14	14	14
Animal 15	15	15	15	15	15	15	15	15	15	15	15	15	15
Animal 16	16	16	16	16	16	16	16	16	16	16	16	16	16
Animal 17	17	17	17	17	17	17	17	17	17	17	17	17	17
Animal 18	18	18	18	18	18	18	18	18	18	18	18	18	18
Animal 19	19	19	19	19	19	19	19	19	19	19	19	19	19
Animal 20	20	20	20	20	20	20	20	20	20	20	20	20	20
Animal 21	21	21	21	21	21	21	21	21	21	21	21	21	21

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... day(s)	EU & GHS full reversibility after ... day(s)
Animal 1	1	1	1	1	1
Animal 2	2	2	2	2	2
Animal 3	3	3	3	3	3
Animal 4	4	4	4	4	4
Animal 5	5	5	5	5	5
Animal 6	6	6	6	6	6
Animal 7	7	7	7	7	7
Animal 8	8	8	8	8	8
Animal 9	9	9	9	9	9
Animal 10	10	10	10	10	10
Animal 11	11	11	11	11	11
Animal 12	12	12	12	12	12
Animal 13	13	13	13	13	13
Animal 14	14	14	14	14	14
Animal 15	15	15	15	15	15
Animal 16	16	16	16	16	16
Animal 17	17	17	17	17	17
Animal 18	18	18	18	18	18
Animal 19	19	19	19	19	19
Animal 20	20	20	20	20	20
Animal 21	21	21	21	21	21

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... day(s)	EU & GHS full reversibility after ... day(s)
Animal 1	1	1	1	1	1
Animal 2	2	2	2	2	2
Animal 3	3	3	3	3	3
Animal 4	4	4	4	4	4
Animal 5	5	5	5	5	5
Animal 6	6	6	6	6	6
Animal 7	7	7	7	7	7
Animal 8	8	8	8	8	8
Animal 9	9	9	9	9	9
Animal 10	10	10	10	10	10
Animal 11	11	11	11	11	11
Animal 12	12	12	12	12	12
Animal 13	13	13	13	13	13
Animal 14	14	14	14	14	14
Animal 15	15	15	15	15	15
Animal 16	16	16	16	16	16
Animal 17	17	17	17	17	17
Animal 18	18	18	18	18	18
Animal 19	19	19	19	19	19
Animal 20	20	20	20	20	20
Animal 21	21	21	21	21	21

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... day(s)	EU & GHS full reversibility after ... day(s)
Animal 1	1	1	1	1	1
Animal 2	2	2	2	2	2
Animal 3	3	3	3	3	3
Animal 4	4	4	4	4	4
Animal 5	5	5	5	5	5
Animal 6	6	6	6	6	6
Animal 7	7	7	7	7	7
Animal 8	8	8	8	8	8
Animal 9	9	9	9	9	9
Animal 10	10	10	10	10	10
Animal 11	11	11	11	11	11
Animal 12	12	12	12	12	12
Animal 13	13	13	13	13	13
Animal 14	14	14	14	14	14
Animal 15	15	15	15	15	15
Animal 16	16	16	16	16	16
Animal 17	17	17	17	17	17
Animal 18	18	18	18	18	18
Animal 19	19	19	19	19	19
Animal 20	20	20	20	20	20
Animal 21	21	21	21	21	21

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... day(s)	EU & GHS full reversibility after ... day(s)
Animal 1	1	1	1	1	1
Animal 2	2	2	2	2	2
Animal 3	3	3	3	3	3
Animal 4	4	4	4	4	4
Animal 5	5	5	5	5	5
Animal 6	6	6	6	6	6
Animal 7	7	7	7	7	7
Animal 8	8	8	8	8	8
Animal 9	9	9	9	9	9
Animal 10	10	10	10	10	10
Animal 11	11	11	11	11	11
Animal 12	12	12	12	12	12
Animal 13	13	13	13	13	13
Animal 14	14	14	14	14	14
Animal 15	15	15	15	15	15
Animal 16	16	16	16	16	16
Animal 17	17	17	17	17	17
Animal 18	18	18	18	18	18
Animal 19	19	19	19	19	19
Animal 20	20	20	20	20	20
Animal 21	21	21	21	21	21

Substance	IUCV	no. of animals	Date entry	AS	EU	GHS	EPA	PERSISTENCE (YES/NO/?, days)							max. cornea of 47?	max. cornea of 47? (day 7-20)	max. cornea of 47? (day 21)						
								1	2	3	4	5	6	7				8	9	10	11	12	13
CHARM	6	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAPTION	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1





KEY		No. of animals	AS	EU		EPA		EPA	
Reference	Date	Date	Date	min/med/RS	max/RS	min/med/RS	max/RS	min/med/RS	max/RS
Animal 1	1	1	1	0.89	0	1.00	0	0	0
Animal 2	2	2	2	2.44	0	2.33	1	0	0
Animal 3	3	3	3	1.78	0	1.87	0	0	0
Animal 4	4	4	4	1.00	0	1.00	0	0	0
Animal 5	5	5	5	1.00	0	1.00	0	0	0
Animal 6	6	6	6	1.00	0	1.00	0	0	0

hour	day	EU	EPA	max score
1	1	0	0	0
2	2	0	0	0
3	3	0	0	0
4	4	0	0	0
5	5	0	0	0
6	6	0	0	0
7	7	0	0	0
8	8	0	0	0
9	9	0	0	0
10	10	0	0	0
11	11	0	0	0
12	12	0	0	0
13	13	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
17	17	0	0	0
18	18	0	0	0
19	19	0	0	0
20	20	0	0	0
21	21	0	0	0

hour	day	EU	EPA	max score
1	1	0	0	0
2	2	0	0	0
3	3	0	0	0
4	4	0	0	0
5	5	0	0	0
6	6	0	0	0
7	7	0	0	0
8	8	0	0	0
9	9	0	0	0
10	10	0	0	0
11	11	0	0	0
12	12	0	0	0
13	13	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
17	17	0	0	0
18	18	0	0	0
19	19	0	0	0
20	20	0	0	0
21	21	0	0	0

hour	day	EU	EPA	max score
1	1	0	0	0
2	2	0	0	0
3	3	0	0	0
4	4	0	0	0
5	5	0	0	0
6	6	0	0	0
7	7	0	0	0
8	8	0	0	0
9	9	0	0	0
10	10	0	0	0
11	11	0	0	0
12	12	0	0	0
13	13	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
17	17	0	0	0
18	18	0	0	0
19	19	0	0	0
20	20	0	0	0
21	21	0	0	0

hour	day	EU	EPA	max score
1	1	0	0	0
2	2	0	0	0
3	3	0	0	0
4	4	0	0	0
5	5	0	0	0
6	6	0	0	0
7	7	0	0	0
8	8	0	0	0
9	9	0	0	0
10	10	0	0	0
11	11	0	0	0
12	12	0	0	0
13	13	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
17	17	0	0	0
18	18	0	0	0
19	19	0	0	0
20	20	0	0	0
21	21	0	0	0

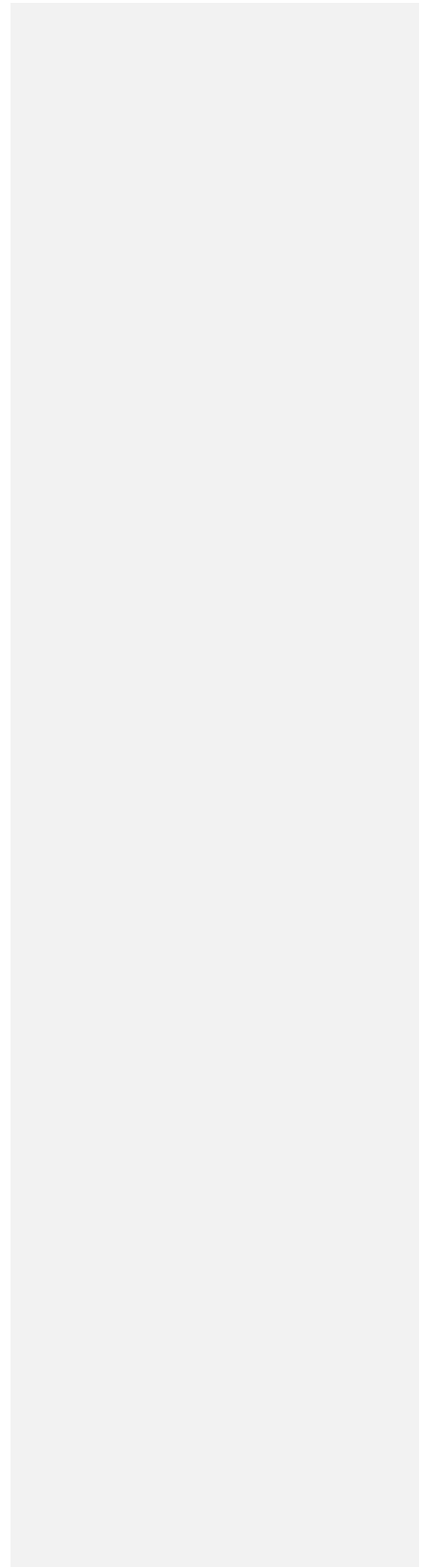
hour	day	EU	EPA	max score
1	1	0	0	0
2	2	0	0	0
3	3	0	0	0
4	4	0	0	0
5	5	0	0	0
6	6	0	0	0
7	7	0	0	0
8	8	0	0	0
9	9	0	0	0
10	10	0	0	0
11	11	0	0	0
12	12	0	0	0
13	13	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
17	17	0	0	0
18	18	0	0	0
19	19	0	0	0
20	20	0	0	0
21	21	0	0	0

hour	day	EU	EPA	max score
1	1	0	0	0
2	2	0	0	0
3	3	0	0	0
4	4	0	0	0
5	5	0	0	0
6	6	0	0	0
7	7	0	0	0
8	8	0	0	0
9	9	0	0	0
10	10	0	0	0
11	11	0	0	0
12	12	0	0	0
13	13	0	0	0
14	14	0	0	0
15	15	0	0	0
16	16	0	0	0
17	17	0	0	0
18	18	0	0	0
19	19	0	0	0
20	20	0	0	0
21	21	0	0	0



**CTFA Phase III Study LVET  
Hazard Classification Spreadsheets**



Substance	IZA.1	No. of animals	Date of arrival	AS	Date of entry	AS	SUMMARY							EU	GHS	EPA	NO
							Persistence (YES/NO/?, days)										
CAE-NP	EU	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
Formulation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quality check	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concentration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Substance source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identifications	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival Redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival Redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival Redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival Redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival Redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival Redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

reversible	reversible
(EU/GHS)	(EPA)
1	0
3	0
3	0
3	0
7	0

mean	max. score
0.33	0
0.67	0
2.33	0
1.00	0

mean	max. score
0.33	0
0.67	0
2.33	0
1.00	0

mean	max. score
0.33	0
0.67	0
2.33	0
1.00	0

mean	max. score
0.33	0
0.67	0
2.33	0
1.00	0

mean	max. score
0.33	0
0.67	0
2.33	0
1.00	0



SUBSTANCE		H2B-1		SUMMARY													EU		GHS		EPA	
CAS-No	Chemical Name	no. of animals	no. of animals	11-Code	Persistence (YES/NO/? days)													NO	NO	NO	NO	
no. of animals	no. of animals	no. of animals	no. of animals	no. of animals	11-Code	mean	median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 3	max.	cornea of 47	max. cornea	max. pH	max. corneal thickness	max. chromatin			
Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19			
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

**Reversible (EU/GHS)**

**Reversible (EPA)**

**max. score**

**mean cornea of 47**

**Notes:**

Substance	CAS-NE	H2C-1	No. of animals	Date of arrival		Date of departure		Date of departure		Date of departure		Date of departure		Date of departure		Date of departure		Date of departure		Date of departure		EPA	max. score	max. days	max. days
				1-1-01	1-1-02	1-1-03	1-1-04	1-1-05	1-1-06	1-1-07	1-1-08	1-1-09	1-1-10	1-1-11	1-1-12	1-1-13	1-1-14	1-1-15	1-1-16	1-1-17	1-1-18				
Animal 1	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Animal 2	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Animal 3	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Animal 4	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Animal 5	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Animal 6	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				

Substance	EU	GH5	EPA
Animal 1	NO	NO	NO
Animal 2	NO	NO	NO
Animal 3	NO	NO	NO
Animal 4	NO	NO	NO
Animal 5	NO	NO	NO
Animal 6	NO	NO	NO

Substance	EU	GH5	EPA
Animal 1	NO	NO	NO
Animal 2	NO	NO	NO
Animal 3	NO	NO	NO
Animal 4	NO	NO	NO
Animal 5	NO	NO	NO
Animal 6	NO	NO	NO



Substance	IUE-1	no. of animals	Date entry	AS	SUMMARY	EU	NO	GHS	NO	EPA	NO	EPA										
												max. cornea of 47	max. cornea of 47	max. cornea of 47								
CAZ-NP	6	1	11 Oct	AS	Persistence (YES/NO/?, days)	0	0	0	0	0	0	0	0	0	0	0						
Formulation	1	1	11 Oct	AS	mean (median, RQ5, Rq4)	0.22	0	0.33	0	0	0	0	0	0	0	0						
Concentration	100%	0.01	DMR	DMR	Cornea Opacity	0.05	0	0.00	0	0	0	0	0	0	0	0						
Substance source	AMAS (ELECTO)	DMR	DMR	DMR	les. conjunctiva	0.17	0	0.00	0	0	0	0	0	0	0	0						
Discharge					Chlamydia	0.17	0	0.00	0	0	0	0	0	0	0	0						
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS												0	EU & GHS full reversibility after ... days	3							
Animal 1	hour												mean	cornea of 47	max. score							
Area involved	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
les. conjunctiva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?) <td colspan="12">EU and GHS</td> <td>0</td> <td>EU &amp; GHS full reversibility after ... days</td> <td>3</td>	EU and GHS												0	EU & GHS full reversibility after ... days	3							
Animal 2	hour												mean	cornea of 47	max. score							
Area involved	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
les. conjunctiva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?) <td colspan="12">EU and GHS</td> <td>0</td> <td>EU &amp; GHS full reversibility after ... days</td> <td>3</td>	EU and GHS												0	EU & GHS full reversibility after ... days	3							
Animal 3	hour												mean	cornea of 47	max. score							
Area involved	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
les. conjunctiva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?) <td colspan="12">EU and GHS</td> <td>0</td> <td>EU &amp; GHS full reversibility after ... days</td> <td>3</td>	EU and GHS												0	EU & GHS full reversibility after ... days	3							
Animal 4	hour												mean	cornea of 47	max. score							
Area involved	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
les. conjunctiva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?) <td colspan="12">EU and GHS</td> <td>0</td> <td>EU &amp; GHS full reversibility after ... days</td> <td>3</td>	EU and GHS												0	EU & GHS full reversibility after ... days	3							
Animal 5	hour												mean	cornea of 47	max. score							
Area involved	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
les. conjunctiva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?) <td colspan="12">EU and GHS</td> <td>0</td> <td>EU &amp; GHS full reversibility after ... days</td> <td>3</td>	EU and GHS												0	EU & GHS full reversibility after ... days	3							
Animal 6	hour												mean	cornea of 47	max. score							
Area involved	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
les. conjunctiva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?) <td colspan="12">EU and GHS</td> <td>0</td> <td>EU &amp; GHS full reversibility after ... days</td> <td>3</td>	EU and GHS												0	EU & GHS full reversibility after ... days	3							

reversible	reversible
(EU/GHS)	(EPA)
3	3
3	3
3	3
3	3
3	3

FALSE
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Substance	CAS-No	No. of animals	Date of arrival	AS	AS	SUMMARY														EPA	NO	NO
						Persistence (YES/NO/?, days)							GHS									
Chemical name	EC No.	ECAS No.	ECAS No.	ECAS No.	ECAS No.	max. in median	RO5	RO4	RO3	RO2	RO1	RO0	max. in cornea of 47	max. in cornea of 47	max. in cornea of 47	max. in cornea of 47	max. in cornea of 47	max. in cornea of 47				
Animal 1	1	1	1	1	1	0.00	0	0	0	0	0	0	0	0	0	0	0	0				
Animal 2	1	1	1	1	1	0.00	0	0	0	0	0	0	0	0	0	0	0	0				
Animal 3	1	1	1	1	1	0.00	0	0	0	0	0	0	0	0	0	0	0	0				
Animal 4	1	1	1	1	1	0.00	0	0	0	0	0	0	0	0	0	0	0	0				
Animal 5	1	1	1	1	1	0.00	0	0	0	0	0	0	0	0	0	0	0	0				
Animal 6	1	1	1	1	1	0.00	0	0	0	0	0	0	0	0	0	0	0	0				



Substance	I-CH-1											
CAZ-NP	6	Date of arrival	AS									
EU/US/JP	Date of application			Date			Date			Date		
Suspension	Quality check											
Concentration	100%			Amount								
Substance source	IMVAs (RECEIVED)			DMP								

SUMMARY	EU	GH5	NO	NO	EPA	
					Cat 1	Cat 2
Persistence (YES/NO(7, days))						max. day 7-20
Contra. Opacity						max. contra.
Use in Lactating Ruminants						max. use
Chemicals						max. chemicals

Substance	CAZ-NP	EU/US/JP	Suspension	Concentration	Substance source	Date of arrival	Date of application	Date	Date	Date	GH5		EPA										
											Cat 1	Cat 2	Cat 1	Cat 2									
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
q1	0.00
q3	0.00
max score	0.00

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
q1	0.00
q3	0.00
max score	0.00

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
q1	0.00
q3	0.00
max score	0.00

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
q1	0.00
q3	0.00
max score	0.00

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
q1	0.00
q3	0.00
max score	0.00

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
q1	0.00
q3	0.00
max score	0.00

SUBSTANCE	CAS-No	No. of animals	Data entry	EPA							GHS	EU			EPA									
				6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21				
CAUSE	INCIDENT	NO. OF ANIMALS	DATE ENTRY	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	
DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	DATE OF TEST	
SUMMARY	Persistence (YES/NO/?, days)		YES	NO	7							7			7									
Concentration	100%	Amount	Coma Opacity		Cat. 1		Cat. 2		Cat. 3		Cat. 4		Cat. 5		Cat. 6		Cat. 7							
			0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1						
Substance source	MMS (EC/ETOC)	DMP	Res. in milk		Res. in tissues		Res. in fat		Res. in meat		Res. in bone		Res. in skin		Res. in egg		Res. in shell							
			0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1						
Reversible effects at dGT	(No = 0; Yes = 1; unknown = ?)																							
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			day																					
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			day																					
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			day																					
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			day																					
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			day																					
Animal 6	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
			day																					

reversible	reversible
(EU/GHS)	(EPA)
1	0
1	0
1	0
1	0
1	0
1	0
1	0

reversible	reversible
(EU/GHS)	(EPA)
1	0
1	0
1	0
1	0
1	0
1	0
1	0

reversible	reversible
(EU/GHS)	(EPA)
1	0
1	0
1	0
1	0
1	0
1	0
1	0

reversible	reversible
(EU/GHS)	(EPA)
1	0
1	0
1	0
1	0
1	0
1	0
1	0



SUBSTANCE		HZZ-1		no. of animals		Data entry		AS		SUMMARY		EU		GHS		EPA		NO		
CAS-Nr		6		Date entry		AS		Persistence (YES/NO/?, days)		EU		NO		GHS		NO		NO		
CAS-11-Cat		Date entry		AS		Date entry		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
Date		Date		Date		Date		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
Data entry		Date		Date		Date		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
Quality check		Quality check		Quality check		Quality check		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
Concentration		Concentration		Concentration		Concentration		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
DMR		DMR		DMR		DMR		Persistence (YES/NO/?, days)		NO		NO		NO		NO		NO		
Animal 1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1
Animal 2	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1
Animal 3	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1
Animal 4	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1
Animal 5	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1
Animal 6	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1	hour	1

<b>Substance</b>	H2K-1
CAS-№	6
Chemical name	1,4-dichloro-2,3,5-trimethylbenzene
Registration No.	AS
Chemical structure	1,4-DiCl
Formulation	AS
Concentration	100%
Application	100%
Substance source	AS

<b>Classification</b>	R44
EU	category 2
EPA	category 2

SUMMARY	EU (YES/NO? 7 days)		GHS		EPA	
	YES	NO	NO	YES	YES	NO
Persistence (YES/NO? 7 days)						
Corrosivity	0.00	0.00	0.00	0.00	0.00	0.00
Flammability	0.00	0.00	0.00	0.00	0.00	0.00
Reactivity	0.00	0.00	0.00	0.00	0.00	0.00
Chronicity	1.00	0.00	1.00	0.00	1.00	0.00

Animal 1	hour	day	EPA												mean	max. score	reversible (EU/GHS)	reversible (EPA)										
			1	2	3	4	5	6	7	8	9	10	11	12					13	14	15	16	17	18	19	20	21	
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.00	0	1	7
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.00	0	1	7
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.00	0	1	7
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.00	0	1	7
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.00	0	1	7
Animal 6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.00	0	1	7

SUBSTANCE		NOA-1		No. of animals		Date entry		AS					
CAS-No		Date of test		Date of test		Date of test		Date of test					
Formula		Route		Dose		Dose		Dose					
Solubility		Solubility		Quality check		Quality check		Quality check					
Concentration		Concentration		Concentration		Concentration		Concentration					
Solubility source		Solubility source		Solubility source		Solubility source		Solubility source					
Identifications		not classified		not classified		not classified		not classified					
EU		not classified		not classified		not classified		not classified					
EPA		not classified		not classified		not classified		not classified					
Animal 1		hour	1	1	1	1	1	1	1				
Cornea Opacity		day	1	2	3	4	5	6	7				
Area involved		1	1	1	1	1	1	1	1				
Sensory Reactions		1	1	1	1	1	1	1	1				
Discharge		1	1	1	1	1	1	1	1				
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA		EU & GHS full reversibility after ... days		3					
Notes:													
Animal 2		hour	1	1	1	1	1	1	1				
Cornea Opacity		day	1	2	3	4	5	6	7				
Area involved		1	1	1	1	1	1	1	1				
Sensory Reactions		1	1	1	1	1	1	1	1				
Discharge		1	1	1	1	1	1	1	1				
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA		EU & GHS full reversibility after ... days		7					
Notes:													
Animal 3		hour	1	1	1	1	1	1	1				
Cornea Opacity		day	1	2	3	4	5	6	7				
Area involved		1	1	1	1	1	1	1	1				
Sensory Reactions		1	1	1	1	1	1	1	1				
Discharge		1	1	1	1	1	1	1	1				
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA		EU & GHS full reversibility after ... days		7					
Notes:													
Animal 4		hour	1	1	1	1	1	1	1				
Cornea Opacity		day	1	2	3	4	5	6	7				
Area involved		1	1	1	1	1	1	1	1				
Sensory Reactions		1	1	1	1	1	1	1	1				
Discharge		1	1	1	1	1	1	1	1				
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA		EU & GHS full reversibility after ... days		3					
Notes:													
Animal 5		hour	1	1	1	1	1	1	1				
Cornea Opacity		day	1	2	3	4	5	6	7				
Area involved		1	1	1	1	1	1	1	1				
Sensory Reactions		1	1	1	1	1	1	1	1				
Discharge		1	1	1	1	1	1	1	1				
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA		EU & GHS full reversibility after ... days		7					
Notes:													
Animal 6		hour	1	1	1	1	1	1	1				
Cornea Opacity		day	1	2	3	4	5	6	7				
Area involved		1	1	1	1	1	1	1	1				
Sensory Reactions		1	1	1	1	1	1	1	1				
Discharge		1	1	1	1	1	1	1	1				
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA		EU & GHS full reversibility after ... days		3					
Notes:													
Summary		Persistence (YES/NO/?, days)		EU		GHS		NO		EPA		NO	
Cornea Opacity		max. cornea op. at d21		max. cornea op. at d21		max. cornea op. at d21		max. cornea op. at d21		max. cornea op. at d21		max. cornea op. at d21	
Sensory Reactions		max. sens. reac. at d21		max. sens. reac. at d21		max. sens. reac. at d21		max. sens. reac. at d21		max. sens. reac. at d21		max. sens. reac. at d21	
Discharge		max. discharge at d21		max. discharge at d21		max. discharge at d21		max. discharge at d21		max. discharge at d21		max. discharge at d21	

mean	1.00	mean	1.00
max	0.67	max	0.67
min	0.67	min	0.67
SD	0.00	SD	0.00
CoV	0.00	CoV	0.00
max. score	1.00	max. score	1.00

reversible (EU/GHS)	7
reversible (EPA)	3

Contract No.:CCR.IHCP.C431305.X0

SUMMARY		EU		GHS		EPA	
Persistence (YES/NO/?, days)		NO	NO				
Concentration		mean/median	RO5	R04	percipitate	Cat. 2	Cat. 1
Concentration		0.00	0	0	0.00	0	0
Concentration		0.00	0	0	0.00	0	0
Concentration		0.17	0	0	0.00	0	0
Concentration		0.17	0	0	0.00	0	0

Day 1	Day 3	Day 5	Day 7	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18
0	0	0	0	0	0	0	0	0	0	0	0	0	0

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Animal 2

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Animal 4

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Animal 6

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Animal 2

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Animal 4

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Animal 6

Cornea Opacity  
0

Iris  
0

Lens  
0

Optic Nerve  
0

Optic Chiasm  
0

Brain  
0

max. cornea  
0

max. iris  
0

max. lens  
0

max. optic chiasm  
0

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):  
EPA: EU & GHS full reversibility after... day(s) 3

Notes:  
mean cornea of 4? 0  
max. score 0

Reversible (EU/GHS) 0

Reversible (EPA) 0

Notes:  
mean cornea of 4? 0  
max. score 0

Reversible (EU/GHS) 0

Reversible (EPA) 0

Notes:  
mean cornea of 4? 0  
max. score 0

Reversible (EU/GHS) 0

Reversible (EPA) 0

Notes:  
mean cornea of 4? 0  
max. score 0

Reversible (EU/GHS) 0

Reversible (EPA) 0

Substance	ICHN-1	no. of animals	6	1-1	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	SUMMARY		EPA		GHS		EU		NO	
CAE-NP															Persistence (YES/NO) (7 days)								
Formulation															mean (median, ROG, Rd1)	NO	NO	NO	NO	NO	NO	NO	NO
Concentration															percentage	NO	NO	NO	NO	NO	NO	NO	
Suspension															Cornea Opacity	NO	NO	NO	NO	NO	NO	NO	
Suspension source															iris	NO	NO	NO	NO	NO	NO	NO	
															lenticular reflex	NO	NO	NO	NO	NO	NO	NO	
															conjunctivitis	NO	NO	NO	NO	NO	NO	NO	
															max. cornea	NO	NO	NO	NO	NO	NO	NO	
															max. iris	NO	NO	NO	NO	NO	NO	NO	
															max. lenticular reflex	NO	NO	NO	NO	NO	NO	NO	
															max. conjunctivitis	NO	NO	NO	NO	NO	NO	NO	
															max. corneal thickness	NO	NO	NO	NO	NO	NO	NO	
Animal 1	hour	1	1	1	1	1	1	1	1	1	1	1	1	1	mean	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 2	hour	1	1	1	1	1	1	1	1	1	1	1	1	1	max. cornea of 47	0	0	0	0	0	0	0	0
Animal 3	hour	1	1	1	1	1	1	1	1	1	1	1	1	1	mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 4	hour	1	1	1	1	1	1	1	1	1	1	1	1	1	max. score	1	1	1	1	1	1	1	1
Animal 5	hour	1	1	1	1	1	1	1	1	1	1	1	1	1	mean	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 6	hour	1	1	1	1	1	1	1	1	1	1	1	1	1	max. score	1	1	1	1	1	1	1	1



Substance	CAS-Nr	No. of animals	Date of arrival	AS	L1-Cat	SUMMARY														EPA	NO	NO
						Persistence (YES/NO/?, days)																
Chemical name	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO				
Chemical name	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO				
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				





Substance	CAS-No	No. of animals	Date of application	Date entry	AS	SUMMARY		EPA							GHS		EU		YES							NO							EPA							YES							NO																																																																																																																																																																																																																																																																																																																																																																																																					
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160																																																																																																																																																																																																																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">H2S-1</th> <th colspan="2">H2S-2</th> <th colspan="2">H2S-3</th> <th colspan="2">H2S-4</th> <th colspan="2">H2S-5</th> </tr> <tr> <th>Substance</th> <th>CAS-No</th> <th>NO. of animals</th> <th>Date of application</th> <th>Date entry</th> <th>AS</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> </tr> </thead> <tbody> <tr> <td>Cornea Opacity</td> <td>0.03</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Cornea Opacity</td> <td>0.03</td> <td>0</td> <td>0</td> <td>0.33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Resilience</td> <td>0.03</td> <td>1</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Resilience</td> <td>0.03</td> <td>1</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>																																																																																																																																												H2S-1		H2S-2		H2S-3		H2S-4		H2S-5		Substance	CAS-No	NO. of animals	Date of application	Date entry	AS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Cornea Opacity	0.03	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cornea Opacity	0.03	0	0	0.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Resilience	0.03	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Resilience	0.03	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">H2S-1</th> <th colspan="2">H2S-2</th> <th colspan="2">H2S-3</th> <th colspan="2">H2S-4</th> <th colspan="2">H2S-5</th> </tr> <tr> <th>Substance</th> <th>CAS-No</th> <th>NO. of animals</th> <th>Date of application</th> <th>Date entry</th> <th>AS</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> <th>19</th> <th>20</th> <th>21</th> </tr> </thead> <tbody> <tr> <td>Cornea Opacity</td> <td>0.03</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Cornea Opacity</td> <td>0.03</td> <td>0</td> <td>0</td> <td>0.33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Resilience</td> <td>0.03</td> <td>1</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Resilience</td> <td>0.03</td> <td>1</td> <td>2</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Chromoblasts</td> <td>1.28</td> <td>0</td> <td>0</td> <td>1.00</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>																																																																																																																																												H2S-1		H2S-2		H2S-3		H2S-4		H2S-5		Substance	CAS-No	NO. of animals	Date of application	Date entry	AS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Cornea Opacity	0.03	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Cornea Opacity	0.03	0	0	0.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Resilience	0.03	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Resilience	0.03	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H2S-1		H2S-2		H2S-3		H2S-4		H2S-5																																																																																																																																																																																																																																																																																																																																																																																																																																												
Substance	CAS-No	NO. of animals	Date of application	Date entry	AS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																																																																																																																																																																																																																																																																																																																																																																																																																										
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Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																											
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Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																											
Chromoblasts	1.28	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																											

Substance	CAS-Nr	No. of animals	Date of arrival	AS	L1-Cat	SUMMARY														EPA	NO	NO		
						Persistence (YES/NO/?, days)																		
Chemical name	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO						
Chemical name	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO						
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS full reversibility after ... days	1																				
Notes:																								
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS full reversibility after ... days	1																				
Notes:																								
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS full reversibility after ... days	1																				
Notes:																								
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS full reversibility after ... days	1																				
Notes:																								
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lesions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conjunctival redness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS full reversibility after ... days	1																				
Notes:																								

reversible	reversible
(EU/GHS)	(EPA)
1	1
3	3
1	1
1	1
3	3

FALSE
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SUBSTANCE		HCV-1		no. of animals		AS		AS		SUMMARY		EU		GHS		EPA		NO						
CAI-NP	CAI-NP	no. of animals	no. of animals	no. of animals	no. of animals	AS	AS	AS	AS	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)	Permeance (YES/NO/?, days)					
EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS					
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 6	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score

Substance	CAS-Nr	ILOV.1	no. of animals	Date entry	AS	SUMMARY							EU	GHS	EPA	NO				
						Peristence (YES/NO/?, days)	main median	RO5	Reot 1	comae of 4?	comae of 4?	max. comae					max. comae	max. comae	max. comae	
Chemical name	EU	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

<b>Substance</b>	<b>H2K.1</b>	<b>no. of animals</b>	<b>AS</b>
<b>CAS-№</b>		<b>Date entry</b>	<b>AS</b>
<b>Batch no.</b>		<b>Date</b>	<b>11-Oct</b>
<b>Supplier</b>		<b>Quality check</b>	
<b>Specification</b>		<b>Quantity</b>	
<b>Concentration</b>	100%	<b>Batch</b>	
<b>Lot</b>	021	<b>DNR</b>	
<b>Supplier source</b>	ANAS (RECTOCL)	<b>DNR</b>	
<b>Identifications</b>	not classified no category		
<b>EU</b>	not classified no category		
<b>GHS</b>	not classified no category		
<b>EPA</b>	not classified no category		

hour	day				day				day				day				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

<b>Animal 1</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cornea Opacity																					
Area involved																					
les																					
Conjunctival Redness																					
Discharge																					
Reversible effects at d21 (No = 0, Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Animal 2</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity																					
Area involved																					
les																					
Conjunctival Redness																					
Discharge																					
Reversible effects at d21 (No = 0, Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Animal 3</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity																					
Area involved																					
les																					
Conjunctival Redness																					
Discharge																					
Reversible effects at d21 (No = 0, Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Animal 4</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity																					
Area involved																					
les																					
Conjunctival Redness																					
Discharge																					
Reversible effects at d21 (No = 0, Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Animal 5</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity																					
Area involved																					
les																					
Conjunctival Redness																					
Discharge																					
Reversible effects at d21 (No = 0, Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Animal 6</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea Opacity																					
Area involved																					
les																					
Conjunctival Redness																					
Discharge																					
Reversible effects at d21 (No = 0, Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

reversible	reversible	reversible	reversible
(EU/GHS)	(EPA)	(EU/GHS)	(EPA)

FALSE

SUMMARY			EU	GHS	EPA	NO	NO
Persistence (YES/NO/?, days)			7	7			
main/inclin. RG5 Rd1			0.87	0.87			
Cornea Opacity			0.22	0.22	0	0	0
les			1.05	1.05	0	0	0
Conjunctival Redness					0	0	0
Discharge					2	2	2
Chromidosis					0	0	0
max. cornea					1	1	1
max. les					3	3	3
max. conjunctiv					1	1	1
max. chromidosis					2	2	2

mean	max. score
1.00	0
0.33	0
0.33	1
1.33	2

mean	max. score
1.00	0
0.67	0
2.33	3
1.33	2

mean	max. score
1.00	0
0.33	0
1.67	2
1.00	1

mean	max. score
0.33	0
0.00	0
1.67	2
1.00	2

mean	max. score
0.67	0
0.33	1
2.00	2
1.67	2

mean	max. score
0.67	0
0.00	0
0.00	0
0.00	0

Substance	CAS-No	No. of animals	Date of administration	Date of entry	AS	EU	GHS	EPA	NO	NO	NO	EPA		
												mean	max	max score
SUMMARY														
Persistence (YES/NO/?, days)														
												mean	max	max score
												0.94	1.00	0
												0.91	0	0
												1.33	0	0
												1.33	0	0
Cornea Opacity														
												1.00	0	0
												0.93	0	0
												1.33	0	0
Iris														
												1.00	0	0
												0.93	0	0
												1.33	0	0
Pupilus Reflex														
												1.00	0	0
												0.93	0	0
												1.33	0	0
Chlorosis														
												1.00	0	0
												0.93	0	0
												1.33	0	0

Substance	CAS-No	No. of animals	Date of administration	Date of entry	AS	EU	GHS	EPA	NO	NO	NO	EPA		
												mean	max	max score
SUMMARY														
Persistence (YES/NO/?, days)														
												mean	max	max score
												0.94	1.00	0
												0.91	0	0
												1.33	0	0
												1.33	0	0
Cornea Opacity														
												1.00	0	0
												0.93	0	0
												1.33	0	0
Iris														
												1.00	0	0
												0.93	0	0
												1.33	0	0
Pupilus Reflex														
												1.00	0	0
												0.93	0	0
												1.33	0	0
Chlorosis														
												1.00	0	0
												0.93	0	0
												1.33	0	0

hour	day	EU & GHS full reversibility after ... days
1	1	7
2	2	7
3	3	7
4	4	7
5	5	7
6	6	7
7	7	7
8	8	7
9	9	7
10	10	7
11	11	7
12	12	7
13	13	7
14	14	7
15	15	7
16	16	7
17	17	7
18	18	7

hour	day	EU & GHS full reversibility after ... days
1	1	7
2	2	7
3	3	7
4	4	7
5	5	7
6	6	7
7	7	7
8	8	7
9	9	7
10	10	7
11	11	7
12	12	7
13	13	7
14	14	7
15	15	7
16	16	7
17	17	7
18	18	7

hour	day	EU & GHS full reversibility after ... days
1	1	7
2	2	7
3	3	7
4	4	7
5	5	7
6	6	7
7	7	7
8	8	7
9	9	7
10	10	7
11	11	7
12	12	7
13	13	7
14	14	7
15	15	7
16	16	7
17	17	7
18	18	7

hour	day	EU & GHS full reversibility after ... days
1	1	7
2	2	7
3	3	7
4	4	7
5	5	7
6	6	7
7	7	7
8	8	7
9	9	7
10	10	7
11	11	7
12	12	7
13	13	7
14	14	7
15	15	7
16	16	7
17	17	7
18	18	7

hour	day	EU & GHS full reversibility after ... days
1	1	7
2	2	7
3	3	7
4	4	7
5	5	7
6	6	7
7	7	7
8	8	7
9	9	7
10	10	7
11	11	7
12	12	7
13	13	7
14	14	7
15	15	7
16	16	7
17	17	7
18	18	7

hour	day	EU & GHS full reversibility after ... days
1	1	7
2	2	7
3	3	7
4	4	7
5	5	7
6	6	7
7	7	7
8	8	7
9	9	7
10	10	7
11	11	7
12	12	7
13	13	7
14	14	7
15	15	7
16	16	7
17	17	7
18	18	7

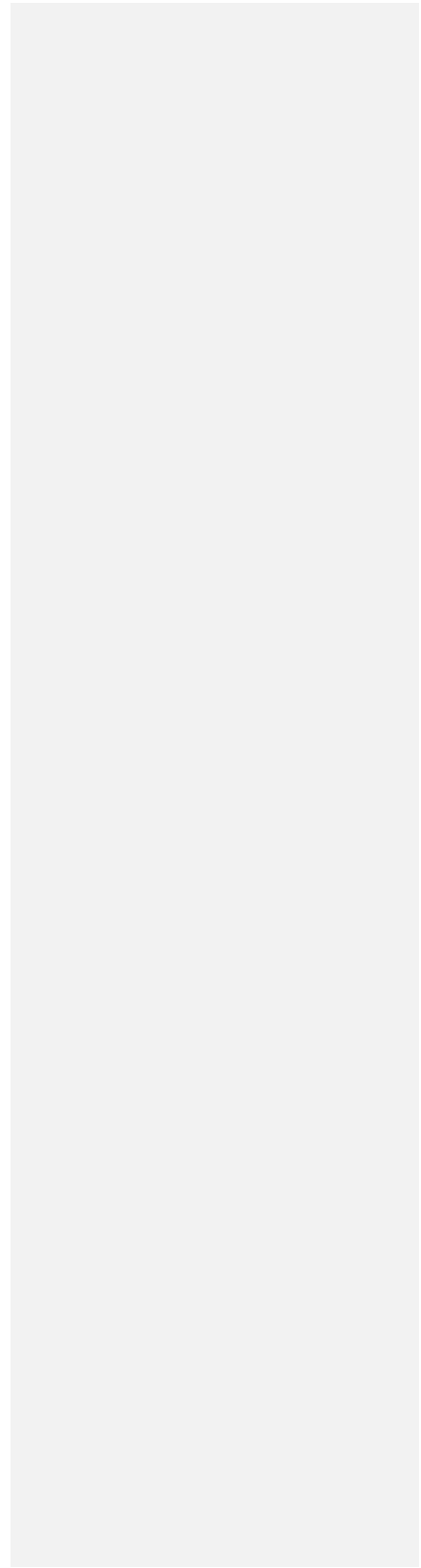
SUBSTANCE		HZ-1		No. of animals		Date entry		AS																	
CAS-NO		EU/CLP		No. of animals		Date entry		11-Code																	
IUPAC name		Hazard classification		Date of application		Date																			
Synonyms		GHS/CLP		Date of application		Date																			
Concentration		100%		Quality check		Date																			
Substance name		GHS/CLP		Date of application		Date																			
Substance source		MMS (ECETOC)		Date of application		Date																			
Identification: EU: not classified CLP: not classified GHS: no category EPA:																									
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lacrimal reflex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU & GHS full reversibility after ... days: 3																							
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lacrimal reflex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU & GHS full reversibility after ... days: 3																							
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lacrimal reflex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU & GHS full reversibility after ... days: 3																							
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lacrimal reflex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU & GHS full reversibility after ... days: 3																							
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lacrimal reflex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU & GHS full reversibility after ... days: 3																							
Animal 6	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lacrimal reflex		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemosis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discharge		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU & GHS full reversibility after ... days: 3																							

Reversible	(EU/GHS)	Reversible	(EPA)
0	0	0	0
0	1	0	0
0	1	0	0
0	1	0	0
0	1	0	0
0	3	0	0

FALSE
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## CTFA Phase II Study Draize Animal Data



ANIMAL ID	TEST MATL	TIME	CORNEAL			CONJUNCTIVAL				DAYS- TO-CLEAR
			OPACI TY	AREA	IRIS	REDNESS	CHEMOSI S	DI SCHARGE	DRAI ZE	
F40833	HZA	1			1	2	4	3		7
F40833	HZA	24	1	4	1	2	1	1	33	
F40833	HZA	48	1	3	0	2	1	0	21	
F40833	HZA	72	1	1	0	2	1	1	13	
F40833	HZA	96	1	1	0	2	1	1	13	
F40833	HZA	168	0	0	0	0	0	0	0	
F40841	HZA	1	1	4	1	2	2	3	39	>21
F40841	HZA	24	1	2	1	2	2	2	27	
F40841	HZA	48	1	1	1	3	1	2	22	
F40841	HZA	72	1	1	0	2	1	0	11	
F40841	HZA	96	1	1	0	2	1	0	11	
F40841	HZA	168	1	1	0	2	1	1	13	
F40841	HZA	336	1	1	0	2	2	1	15	
F40841	HZA	504	1	1	0	2	1	0	11	
F40867	HZA	1	1	4	1	2	2	3	39	7
F40867	HZA	24	1	3	1	3	2	2	34	
F40867	HZA	48	1	1	1	3	1	2	22	
F40867	HZA	72	1	1	1	2	2	0	18	
F40867	HZA	96	1	1	0	2	1	0	11	
F40867	HZA	168	0	0	0	0	0	0	0	
F41357	HZA	1	1	4	1	2	3	2	39	14
F41357	HZA	24	1	4	1	2	2	2	37	
F41357	HZA	48	1	3	1	2	1	0	26	
F41357	HZA	72	1	2	1	2	2	2	27	
F41357	HZA	96	1	2	1	2	2	1	25	
F41357	HZA	168	1	1	0	1	1	0	9	
F41357	HZA	336	0	0	0	0	0	0	0	
F41380	HZA	1	1	4	1	2	1	0	31	>21
F41380	HZA	24	1	4	1	3	2	0	35	
F41380	HZA	48	1	2	1	2	1	1	23	
F41380	HZA	72	1	1	0	2	1	0	11	
F41380	HZA	96	1	1	0	1	1	0	9	
F41380	HZA	168	1	1	0	0	0	0	5	
F41380	HZA	336	1	1	0	0	0	0	5	
F41380	HZA	504	1	1	0	0	0	0	5	
F41420	HZA	1	1	4	1	2	3	3	41	21
F41420	HZA	24	1	4	1	3	2	2	39	
F41420	HZA	48	1	3	1	3	2	2	34	
F41420	HZA	72	1	2	0	2	1	1	18	
F41420	HZA	96	1	1	0	2	1	0	11	
F41420	HZA	168	1	1	0	1	1	1	11	
F41420	HZA	336	1	1	0	1	0	0	7	
F41420	HZA	504	0	0	0	0	0	0	0	

F41349	HZB	1	0	0	1	2	1	1	13	3
F41349	HZB	24	1	1	1	2	1	0	16	
F41349	HZB	48	1	1	0	2	1	1	13	
F41349	HZB	72	0	0	0	0	0	0	0	
F41349	HZB	96	0	0	0	0	0	0	0	
F41349	HZB	168	0	0	0	0	0	0	0	
F41378	HZB	1	0	0	1	2	1	1	13	2
F41378	HZB	24	0	0	0	2	0	0	4	
F41378	HZB	48	0	0	0	0	0	0	0	
F41378	HZB	72	0	0	0	0	0	0	0	
F41378	HZB	96	0	0	0	0	0	0	0	
F41378	HZB	168	0	0	0	0	0	0	0	
F41402	HZB	1	1	3	1	2	1	1	28	4
F41402	HZB	24	1	1	0	2	1	0	11	
F41402	HZB	48	1	1	0	1	1	0	9	
F41402	HZB	72	1	1	0	1	1	0	9	
F41402	HZB	96	0	0	0	0	0	0	0	
F41402	HZB	168	0	0	0	0	0	0	0	
F41781	HZB	1	1	1	1	2	1	1	18	4
F41781	HZB	24	1	2	1	2	2	2	27	
F41781	HZB	48	1	1	0	2	1	0	11	
F41781	HZB	72	0	0	0	1	0	0	2	
F41781	HZB	96	0	0	0	0	0	0	0	
F41781	HZB	168	0	0	0	0	0	0	0	
F41789	HZB	1	1	4	1	2	2	2	37	7
F41789	HZB	24	1	4	1	2	2	1	35	
F41789	HZB	48	1	1	1	2	1	1	18	
F41789	HZB	72	1	2	1	2	1	1	23	
F41789	HZB	96	1	1	1	2	1	0	16	
F41789	HZB	168	0	0	0	0	0	0	0	
F41805	HZB	1	0	0	1	2	1	2	15	4
F41805	HZB	24	1	1	1	2	2	0	18	
F41805	HZB	48	0	0	0	2	1	0	6	
F41805	HZB	72	0	0	0	1	0	0	2	
F41805	HZB	96	0	0	0	0	0	0	0	
F41805	HZB	168	0	0	0	0	0	0	0	

F41355	HZC	1	1	3	1	2	3	3	36	2
F41355	HZC	24	0	0	0	2	1	2	10	
F41355	HZC	48	0	0	0	1	0	0	2	
F41355	HZC	72	0	0	0	0	0	0	0	
F41355	HZC	96	0	0	0	0	0	0	0	
F41355	HZC	168	0	0	0	0	0	0	0	
F41371	HZC	1	-	-	1	2	4	3	-	7
F41371	HZC	24	1	3	1	2	2	2	32	
F41371	HZC	48	1	1	0	2	1	0	11	
F41371	HZC	72	1	1	0	2	1	0	11	
F41371	HZC	96	0	0	0	1	1	0	4	
F41371	HZC	168	0	0	0	0	0	0	0	
F41409	HZC	1	1	4	1	2	4	3	43	7
F41409	HZC	24	1	4	1	2	1	2	35	
F41409	HZC	48	1	2	1	2	1	0	21	
F41409	HZC	72	1	1	1	2	2	2	22	
F41409	HZC	96	1	1	1	2	1	0	16	
F41409	HZC	168	0	0	0	0	0	0	0	
F41786	HZC	1	-	-	1	2	4	3	-	4
F41786	HZC	24	1	1	0	2	2	2	17	
F41786	HZC	48	0	0	0	2	1	2	10	
F41786	HZC	72	0	0	0	1	0	0	2	
F41786	HZC	96	0	0	0	0	0	0	0	
F41786	HZC	168	0	0	0	0	0	0	0	
F41797	HZC	1	1	2	1	2	2	3	29	4
F41797	HZC	24	0	0	0	2	1	0	6	
F41797	HZC	48	0	0	0	2	0	0	4	
F41797	HZC	72	0	0	0	1	0	0	2	
F41797	HZC	96	0	0	0	0	0	0	0	
F41797	HZC	168	0	0	0	0	0	0	0	
F41806	HZC	1	-	-	1	2	4	3	-	7
F41806	HZC	24	1	4	1	2	2	1	35	
F41806	HZC	48	1	3	1	2	1	1	28	
F41806	HZC	72	1	1	0	2	1	0	11	
F41806	HZC	96	1	1	0	1	1	0	9	
F41806	HZC	168	0	0	0	0	0	0	0	

F41356	HZD	1	0	0	1	2	2	2	17	3
F41356	HZD	24	1	1	0	2	1	0	11	
F41356	HZD	48	1	1	0	1	0	0	7	
F41356	HZD	72	0	0	0	0	0	0	0	
F41356	HZD	96	0	0	0	0	0	0	0	
F41356	HZD	168	0	0	0	0	0	0	0	
F41386	HZD	1	1	4	1	2	1	0	31	2
F41386	HZD	24	1	1	0	2	1	1	13	
F41386	HZD	48	0	0	0	0	0	0	0	
F41386	HZD	72	0	0	0	0	0	0	0	
F41386	HZD	96	0	0	0	0	0	0	0	
F41386	HZD	168	0	0	0	0	0	0	0	
F41401	HZD	1	1	2	1	2	2	3	29	7
F41401	HZD	24	1	1	0	3	2	3	21	
F41401	HZD	48	1	1	0	2	1	0	11	
F41401	HZD	72	1	1	0	1	1	0	9	
F41401	HZD	96	0	0	0	1	1	0	4	
F41401	HZD	168	0	0	0	0	0	0	0	
F41780	HZD	1	0	0	0	2	1	2	10	4
F41780	HZD	24	1	1	0	2	1	2	15	
F41780	HZD	48	1	1	0	2	1	1	13	
F41780	HZD	72	0	0	0	1	0	0	2	
F41780	HZD	96	0	0	0	0	0	0	0	
F41780	HZD	168	0	0	0	0	0	0	0	
F41792	HZD	1	0	0	1	2	1	2	15	4
F41792	HZD	24	1	1	0	2	2	3	19	
F41792	HZD	48	0	0	0	2	1	0	6	
F41792	HZD	72	0	0	0	1	0	0	2	
F41792	HZD	96	0	0	0	0	0	0	0	
F41792	HZD	168	0	0	0	0	0	0	0	
F41802	HZD	1	0	0	1	2	1	2	15	2
F41802	HZD	24	0	0	0	1	0	0	2	
F41802	HZD	48	0	0	0	0	0	0	0	
F41802	HZD	72	0	0	0	0	0	0	0	
F41802	HZD	96	0	0	0	0	0	0	0	
F41802	HZD	168	0	0	0	0	0	0	0	

F40823	HZE	1	0	0	1	2	1	1	13	3
F40823	HZE	24	0	0	0	1	1	0	4	
F40823	HZE	48	0	0	0	1	0	0	2	
F40823	HZE	72	0	0	0	0	0	0	0	
F40823	HZE	96	0	0	0	0	0	0	0	
F40823	HZE	168	0	0	0	0	0	0	0	
F40843	HZE	1	0	0	1	2	1	3	17	7
F40843	HZE	24	1	1	1	2	2	1	20	
F40843	HZE	48	0	0	0	2	0	0	4	
F40843	HZE	72	0	0	0	0	0	0	0	
F40843	HZE	96	0	0	0	1	0	0	2	
F40843	HZE	168	0	0	0	0	0	0	0	
F40872	HZE	1	1	4	1	2	2	2	37	7
F40872	HZE	24	1	2	1	2	2	3	29	
F40872	HZE	48	1	1	0	2	2	2	17	
F40872	HZE	72	1	1	0	2	1	0	11	
F40872	HZE	96	0	0	0	2	1	0	6	
F40872	HZE	168	0	0	0	0	0	0	0	
F41348	HZE	1	0	0	1	2	1	2	15	2
F41348	HZE	24	0	0	0	1	0	0	2	
F41348	HZE	48	0	0	0	0	0	0	0	
F41348	HZE	72	0	0	0	0	0	0	0	
F41348	HZE	96	0	0	0	0	0	0	0	
F41348	HZE	168	0	0	0	0	0	0	0	
F41390	HZE	1	0	0	1	2	1	1	13	2
F41390	HZE	24	0	0	0	1	0	0	2	
F41390	HZE	48	0	0	0	0	0	0	0	
F41390	HZE	72	0	0	0	0	0	0	0	
F41390	HZE	96	0	0	0	0	0	0	0	
F41390	HZE	168	0	0	0	0	0	0	0	
F41410	HZE	1	1	4	1	2	2	2	37	>21
F41410	HZE	24	1	4	0	2	2	2	32	
F41410	HZE	48	1	2	0	2	2	1	20	
F41410	HZE	72	1	2	1	2	1	0	21	
F41410	HZE	96	1	2	0	2	1	0	16	
F41410	HZE	168	1	1	0	2	1	0	11	
F41410	HZE	336	1	1	0	2	2	1	15	
F41410	HZE	504	2	1	0	2	2	1	20	

F40817	HZF	1	1	3	1	2	3	2	34	14
F40817	HZF	24	1	3	1	2	2	2	32	
F40817	HZF	48	1	2	1	3	2	2	29	
F40817	HZF	72	1	1	1	3	2	1	22	
F40817	HZF	96	1	1	0	3	1	2	17	
F40817	HZF	168	1	1	0	1	1	1	11	
F40817	HZF	336	0	0	0	0	0	0	0	
F40857	HZF	1	1	2	1	2	2	3	29	7
F40857	HZF	24	1	2	1	3	2	2	29	
F40857	HZF	48	1	1	1	3	1	1	20	
F40857	HZF	72	1	1	0	2	1	0	11	
F40857	HZF	96	1	1	0	2	1	0	11	
F40857	HZF	168	0	0	0	0	0	0	0	
F40880	HZF	1	1	4	1	2	2	3	39	>21
F40880	HZF	24	1	3	1	2	2	3	34	
F40880	HZF	48	1	3	1	2	2	2	32	
F40880	HZF	72	1	1	0	2	2	2	17	
F40880	HZF	96	1	1	0	2	1	1	13	
F40880	HZF	168	1	1	0	3	2	3	21	
F40880	HZF	336	1	1	0	2	1	1	13	
F40880	HZF	504	1	1	0	2	1	1	13	
F41364	HZF	1	1	4	1	2	3	3	41	>21
F41364	HZF	24	1	4	1	2	3	3	41	
F41364	HZF	48	1	3	1	2	2	3	34	
F41364	HZF	72	1	3	1	2	2	2	32	
F41364	HZF	96	1	2	1	2	2	1	25	
F41364	HZF	168	1	2	0	2	2	1	20	
F41364	HZF	336	1	2	0	2	2	2	22	
F41364	HZF	504	2	1	0	2	2	1	20	
F41381	HZF	1	1	4	1	2	3	3	41	14
F41381	HZF	24	1	4	1	3	2	2	39	
F41381	HZF	48	1	2	1	2	2	0	23	
F41381	HZF	72	1	1	1	2	2	0	18	
F41381	HZF	96	1	2	1	2	2	0	23	
F41381	HZF	168	1	1	0	1	1	0	9	
F41381	HZF	336	0	0	0	0	0	0	0	
F41400	HZF	1	1	4	1	2	3	3	41	7
F41400	HZF	24	1	3	1	2	2	2	32	
F41400	HZF	48	1	2	1	2	2	0	23	
F41400	HZF	72	1	1	0	1	1	0	9	
F41400	HZF	96	1	1	0	1	1	0	9	
F41400	HZF	168	0	0	0	0	0	0	0	

F41366	HZG	1	0	0	1	2	1	0	11	3
F41366	HZG	24	1	1	0	2	0	0	9	
F41366	HZG	48	0	0	0	1	0	0	2	
F41366	HZG	72	0	0	0	0	0	0	0	
F41366	HZG	96	0	0	0	0	0	0	0	
F41366	HZG	168	0	0	0	0	0	0	0	
F41375	HZG	1	1	2	1	2	1	2	25	3
F41375	HZG	24	1	1	1	2	1	1	18	
F41375	HZG	48	0	0	0	1	0	0	2	
F41375	HZG	72	0	0	0	0	0	0	0	
F41375	HZG	96	0	0	0	0	0	0	0	
F41375	HZG	168	0	0	0	0	0	0	0	
F41396	HZG	1	1	3	1	2	1	1	28	4
F41396	HZG	24	1	2	0	2	2	1	20	
F41396	HZG	48	1	1	0	2	1	0	11	
F41396	HZG	72	0	0	0	1	0	0	2	
F41396	HZG	96	0	0	0	0	0	0	0	
F41396	HZG	168	0	0	0	0	0	0	0	
F41779	HZG	1	0	0	1	2	1	1	13	4
F41779	HZG	24	1	1	1	2	1	1	18	
F41779	HZG	48	1	1	0	2	0	0	9	
F41779	HZG	72	0	0	0	1	0	0	2	
F41779	HZG	96	0	0	0	0	0	0	0	
F41779	HZG	168	0	0	0	0	0	0	0	
F41790	HZG	1	0	0	1	2	1	2	15	3
F41790	HZG	24	1	1	0	2	2	1	15	
F41790	HZG	48	1	1	0	1	1	0	9	
F41790	HZG	72	0	0	0	0	0	0	0	
F41790	HZG	96	0	0	0	0	0	0	0	
F41790	HZG	168	0	0	0	0	0	0	0	
F41807	HZG	1	0	0	1	2	2	1	15	4
F41807	HZG	24	1	1	0	2	1	0	11	
F41807	HZG	48	0	0	0	2	1	0	6	
F41807	HZG	72	0	0	0	1	0	0	2	
F41807	HZG	96	0	0	0	0	0	0	0	
F41807	HZG	168	0	0	0	0	0	0	0	



F40839	HZH	1	0	0	0	1	0	0	2	1
F40839	HZH	24	0	0	0	0	0	0	0	
F40839	HZH	48	0	0	0	0	0	0	0	
F40839	HZH	72	0	0	0	0	0	0	0	
F40839	HZH	96	0	0	0	0	0	0	0	
F40839	HZH	168	0	0	0	0	0	0	0	
F40859	HZH	1	0	0	0	1	0	0	2	1
F40859	HZH	24	0	0	0	0	0	0	0	
F40859	HZH	48	0	0	0	0	0	0	0	
F40859	HZH	72	0	0	0	0	0	0	0	
F40859	HZH	96	0	0	0	0	0	0	0	
F40859	HZH	168	0	0	0	0	0	0	0	
F40870	HZH	1	0	0	0	1	0	0	2	1
F40870	HZH	24	0	0	0	0	0	0	0	
F40870	HZH	48	0	0	0	0	0	0	0	
F40870	HZH	72	0	0	0	0	0	0	0	
F40870	HZH	96	0	0	0	0	0	0	0	
F40870	HZH	168	0	0	0	0	0	0	0	
F41353	HZH	1	0	0	0	1	0	0	2	1
F41353	HZH	24	0	0	0	0	0	0	0	
F41353	HZH	48	0	0	0	0	0	0	0	
F41353	HZH	72	0	0	0	0	0	0	0	
F41353	HZH	96	0	0	0	0	0	0	0	
F41353	HZH	168	0	0	0	0	0	0	0	
F41385	HZH	1	0	0	0	2	0	0	4	1
F41385	HZH	24	0	0	0	0	0	0	0	
F41385	HZH	48	0	0	0	0	0	0	0	
F41385	HZH	72	0	0	0	0	0	0	0	
F41385	HZH	96	0	0	0	0	0	0	0	
F41385	HZH	168	0	0	0	0	0	0	0	
F41398	HZH	1	0	0	0	1	0	0	2	1
F41398	HZH	24	0	0	0	0	0	0	0	
F41398	HZH	48	0	0	0	0	0	0	0	
F41398	HZH	72	0	0	0	0	0	0	0	
F41398	HZH	96	0	0	0	0	0	0	0	
F41398	HZH	168	0	0	0	0	0	0	0	

F40840	HZI	1	1	4	1	2	3	3	41	7
F40840	HZI	24	1	4	1	3	2	2	39	
F40840	HZI	48	1	3	1	3	2	2	34	
F40840	HZI	72	1	1	1	3	2	2	24	
F40840	HZI	96	1	1	1	3	2	0	20	
F40840	HZI	168	0	0	0	0	0	0	0	
F40855	HZI	1	1	4	1	2	3	3	41	14
F40855	HZI	24	1	3	1	3	2	3	36	
F40855	HZI	48	1	2	1	3	2	2	29	
F40855	HZI	72	1	2	1	3	2	2	29	
F40855	HZI	96	2	1	1	2	2	2	27	
F40855	HZI	168	1	1	0	2	1	0	11	
F40855	HZI	336	0	0	0	0	0	0	0	
F40881	HZI	1	1	4	1	2	2	3	39	>21
F40881	HZI	24	1	4	1	2	2	3	39	
F40881	HZI	48	1	3	1	2	1	1	28	
F40881	HZI	72	1	2	1	2	2	1	25	
F40881	HZI	96	1	2	1	3	1	0	23	
F40881	HZI	168	1	1	0	2	1	1	13	
F40881	HZI	336	1	1	0	1	1	0	9	
F40881	HZI	504	1	1	0	1	1	0	9	
F41365	HZI	1	1	4	1	2	3	3	41	>21
F41365	HZI	24	1	4	1	3	3	3	43	
F41365	HZI	48	1	3	1	2	2	3	34	
F41365	HZI	72	1	2	0	2	2	3	24	
F41365	HZI	96	1	2	0	2	2	3	24	
F41365	HZI	168	1	1	0	2	2	2	17	
F41365	HZI	336	2	1	0	2	2	2	22	
F41365	HZI	504	1	1	0	1	1	0	9	
F41379	HZI	1	1	4	1	2	4	3	43	7
F41379	HZI	24	1	2	1	2	2	3	29	
F41379	HZI	48	1	1	0	2	2	1	15	
F41379	HZI	72	1	1	0	2	1	0	11	
F41379	HZI	96	0	0	0	1	1	0	4	
F41379	HZI	168	0	0	0	0	0	0	0	
F41405	HZI	1	1	4	1	2	3	3	41	>21
F41405	HZI	24	1	4	1	2	2	2	37	
F41405	HZI	48	1	4	1	3	2	2	39	
F41405	HZI	72	1	3	1	2	2	1	30	
F41405	HZI	96	1	2	1	2	2	1	25	
F41405	HZI	168	1	1	0	1	1	0	9	
F41405	HZI	336	1	1	0	1	0	0	7	
F41405	HZI	504	1	1	0	0	0	0	5	

F40829	HZJ	1	0	0	1	2	1	1	13	1
F40829	HZJ	24	0	0	0	0	0	0	0	
F40829	HZJ	48	0	0	0	0	0	0	0	
F40829	HZJ	72	0	0	0	0	0	0	0	
F40829	HZJ	96	0	0	0	0	0	0	0	
F40829	HZJ	168	0	0	0	0	0	0	0	
F40860	HZJ	1	0	0	0	1	1	1	6	1
F40860	HZJ	24	0	0	0	0	0	0	0	
F40860	HZJ	48	0	0	0	0	0	0	0	
F40860	HZJ	72	0	0	0	0	0	0	0	
F40860	HZJ	96	0	0	0	0	0	0	0	
F40860	HZJ	168	0	0	0	0	0	0	0	
F40869	HZJ	1	0	0	0	1	1	1	6	1
F40869	HZJ	24	0	0	0	0	0	0	0	
F40869	HZJ	48	0	0	0	0	0	0	0	
F40869	HZJ	72	0	0	0	0	0	0	0	
F40869	HZJ	96	0	0	0	0	0	0	0	
F40869	HZJ	168	0	0	0	0	0	0	0	
F41361	HZJ	1	0	0	0	2	1	1	8	2
F41361	HZJ	24	0	0	0	1	0	0	2	
F41361	HZJ	48	0	0	0	0	0	0	0	
F41361	HZJ	72	0	0	0	0	0	0	0	
F41361	HZJ	96	0	0	0	0	0	0	0	
F41361	HZJ	168	0	0	0	0	0	0	0	
F41382	HZJ	1	0	0	0	2	1	1	8	1
F41382	HZJ	24	0	0	0	0	0	0	0	
F41382	HZJ	48	0	0	0	0	0	0	0	
F41382	HZJ	72	0	0	0	0	0	0	0	
F41382	HZJ	96	0	0	0	0	0	0	0	
F41382	HZJ	168	0	0	0	0	0	0	0	
F41418	HZJ	1	0	0	0	2	1	1	8	2
F41418	HZJ	24	0	0	0	1	0	0	2	
F41418	HZJ	48	0	0	0	0	0	0	0	
F41418	HZJ	72	0	0	0	0	0	0	0	
F41418	HZJ	96	0	0	0	0	0	0	0	
F41418	HZJ	168	0	0	0	0	0	0	0	

F40834	HZK	1	1	4	1	2	2	3	39	7
F40834	HZK	24	1	4	1	3	2	3	41	
F40834	HZK	48	1	3	1	3	1	2	32	
F40834	HZK	72	1	2	1	2	1	3	27	
F40834	HZK	96	1	2	1	3	1	0	23	
F40834	HZK	168	0	0	0	0	0	0	0	
F40861	HZK	1	1	4	1	2	3	3	41	>21
F40861	HZK	24	1	4	1	2	2	3	39	
F40861	HZK	48	1	4	1	3	1	2	37	
F40861	HZK	72	1	3	1	3	2	2	34	
F40861	HZK	96	1	2	1	2	2	1	25	
F40861	HZK	168	1	2	0	2	1	0	16	
F40861	HZK	336	1	1	0	2	1	1	13	
F40861	HZK	504	1	1	0	2	1	1	13	
F40889	HZK	1	1	2	1	2	3	3	31	>21
F40889	HZK	24	1	4	1	2	3	3	41	
F40889	HZK	48	1	2	1	3	2	2	29	
F40889	HZK	72	1	2	1	2	2	3	29	
F40889	HZK	96	1	2	1	3	2	2	29	
F40889	HZK	168	1	2	0	3	2	1	22	
F40889	HZK	336	1	1	0	1	1	0	9	
F40889	HZK	504	1	1	0	2	1	1	13	
F41370	HZK	1	1	4	1	2	3	3	41	>21
F41370	HZK	24	1	4	1	2	2	1	35	
F41370	HZK	48	1	4	1	2	2	1	35	
F41370	HZK	72	1	4	1	2	1	1	33	
F41370	HZK	96	1	3	1	2	2	2	32	
F41370	HZK	168	1	2	1	2	1	0	21	
F41370	HZK	336	1	2	0	1	1	0	14	
F41370	HZK	504	1	1	0	1	0	0	7	
F41395	HZK	1	1	4	1	2	3	3	41	>21
F41395	HZK	24	1	4	1	3	2	3	41	
F41395	HZK	48	1	4	1	2	2	2	37	
F41395	HZK	72	1	4	1	2	2	2	37	
F41395	HZK	96	1	3	1	2	1	1	28	
F41395	HZK	168	1	2	1	2	2	2	27	
F41395	HZK	336	2	1	1	2	2	2	27	
F41395	HZK	504	3	1	0	2	2	1	25	
F41399	HZK	1	1	4	1	2	3	3	41	>21
F41399	HZK	24	1	4	1	3	2	3	41	
F41399	HZK	48	1	3	1	3	2	3	36	
F41399	HZK	72	1	2	1	2	2	1	25	
F41399	HZK	96	1	2	1	2	2	0	23	
F41399	HZK	168	1	2	1	2	2	2	27	
F41399	HZK	336	1	1	0	1	1	0	9	
F41399	HZK	504	1	1	0	1	1	0	9	

F40822	HZL	1	1	3	1	2	3	2	34	>21
F40822	HZL	24	1	3	1	2	1	3	32	
F40822	HZL	48	1	2	1	3	1	1	25	
F40822	HZL	72	1	1	1	2	1	0	16	
F40822	HZL	96	1	1	0	2	1	0	11	
F40822	HZL	168	1	1	0	2	1	0	11	
F40822	HZL	336	1	1	0	1	1	0	9	
F40822	HZL	504	1	1	0	1	0	0	7	
F40845	HZL	1	1	4	1	2	3	3	41	7
F40845	HZL	24	1	2	1	2	2	2	27	
F40845	HZL	48	1	1	0	2	1	2	15	
F40845	HZL	72	1	1	0	2	1	0	11	
F40845	HZL	96	0	0	0	2	1	0	6	
F40845	HZL	168	0	0	0	0	0	0	0	
F40886	HZL	1	1	2	1	2	3	3	31	7
F40886	HZL	24	1	4	1	2	1	2	35	
F40886	HZL	48	1	1	0	2	1	1	13	
F40886	HZL	72	1	1	0	1	1	0	9	
F40886	HZL	96	0	0	0	1	1	0	4	
F40886	HZL	168	0	0	0	0	0	0	0	
F41347	HZL	1	1	4	1	2	3	3	41	7
F41347	HZL	24	1	4	1	3	2	3	41	
F41347	HZL	48	1	3	1	3	2	0	30	
F41347	HZL	72	1	1	0	2	1	0	11	
F41347	HZL	96	0	0	0	2	1	0	6	
F41347	HZL	168	0	0	0	0	0	0	0	
F41389	HZL	1	1	4	1	2	3	3	41	>21
F41389	HZL	24	1	4	1	3	2	3	41	
F41389	HZL	48	1	1	1	3	2	2	24	
F41389	HZL	72	1	1	1	3	2	2	24	
F41389	HZL	96	1	1	0	2	2	3	19	
F41389	HZL	168	1	1	0	2	1	1	13	
F41389	HZL	336	2	1	0	2	1	1	18	
F41389	HZL	504	2	1	0	1	1	0	14	
F41406	HZL	1	1	4	1	2	2	3	39	>21
F41406	HZL	24	1	4	1	2	2	2	37	
F41406	HZL	48	1	3	1	3	2	2	34	
F41406	HZL	72	1	2	1	2	1	1	23	
F41406	HZL	96	1	2	1	2	1	0	21	
F41406	HZL	168	1	1	0	2	1	0	11	
F41406	HZL	336	1	1	0	0	0	0	5	
F41406	HZL	504	1	1	0	0	0	0	5	

F41359	HZM	1	0	0	1	2	1	1	13	2
F41359	HZM	24	0	0	0	1	0	0	2	
F41359	HZM	48	0	0	0	0	0	0	0	
F41359	HZM	72	0	0	0	0	0	0	0	
F41359	HZM	96	0	0	0	0	0	0	0	
F41359	HZM	168	0	0	0	0	0	0	0	
F41392	HZM	1	0	0	0	2	1	1	8	2
F41392	HZM	24	0	0	0	1	0	0	2	
F41392	HZM	48	0	0	0	0	0	0	0	
F41392	HZM	72	0	0	0	0	0	0	0	
F41392	HZM	96	0	0	0	0	0	0	0	
F41392	HZM	168	0	0	0	0	0	0	0	
F41403	HZM	1	0	0	1	2	1	1	13	4
F41403	HZM	24	1	1	0	2	1	0	11	
F41403	HZM	48	0	0	0	2	1	0	6	
F41403	HZM	72	0	0	0	1	0	0	2	
F41403	HZM	96	0	0	0	0	0	0	0	
F41403	HZM	168	0	0	0	0	0	0	0	
F41785	HZM	1	0	0	0	2	1	3	12	3
F41785	HZM	24	1	1	0	1	0	0	7	
F41785	HZM	48	0	0	0	1	0	0	2	
F41785	HZM	72	0	0	0	0	0	0	0	
F41785	HZM	96	0	0	0	0	0	0	0	
F41785	HZM	168	0	0	0	0	0	0	0	
F41794	HZM	1	0	0	1	2	1	2	15	2
F41794	HZM	24	0	0	0	1	0	0	2	
F41794	HZM	48	0	0	0	0	0	0	0	
F41794	HZM	72	0	0	0	0	0	0	0	
F41794	HZM	96	0	0	0	0	0	0	0	
F41794	HZM	168	0	0	0	0	0	0	0	
F41798	HZM	1	0	0	1	2	1	2	15	1
F41798	HZM	24	0	0	0	0	0	0	0	
F41798	HZM	48	0	0	0	0	0	0	0	
F41798	HZM	72	0	0	0	0	0	0	0	
F41798	HZM	96	0	0	0	0	0	0	0	
F41798	HZM	168	0	0	0	0	0	0	0	

F41351	HZN	1	0	0	1	2	2	3	19	3
F41351	HZN	24	1	1	0	2	1	0	11	
F41351	HZN	48	0	0	0	1	1	0	4	
F41351	HZN	72	0	0	0	0	0	0	0	
F41351	HZN	96	0	0	0	0	0	0	0	
F41351	HZN	168	0	0	0	0	0	0	0	
F41373	HZN	1	0	0	1	2	1	0	11	3
F41373	HZN	24	1	1	0	1	0	0	7	
F41373	HZN	48	0	0	0	1	0	0	2	
F41373	HZN	72	0	0	0	0	0	0	0	
F41373	HZN	96	0	0	0	0	0	0	0	
F41373	HZN	168	0	0	0	0	0	0	0	
F41397	HZN	1	1	4	1	2	3	3	41	3
F41397	HZN	24	1	2	0	2	2	1	20	
F41397	HZN	48	1	1	0	2	1	0	11	
F41397	HZN	72	0	0	0	0	0	0	0	
F41397	HZN	96	0	0	0	0	0	0	0	
F41397	HZN	168	0	0	0	0	0	0	0	
F41783	HZN	1	0	0	1	2	1	0	11	3
F41783	HZN	24	1	2	1	2	1	2	25	
F41783	HZN	48	1	1	0	1	0	0	7	
F41783	HZN	72	0	0	0	0	0	0	0	
F41783	HZN	96	0	0	0	0	0	0	0	
F41783	HZN	168	0	0	0	0	0	0	0	
F41791	HZN	1	0	0	1	2	1	1	13	3
F41791	HZN	24	1	1	1	2	1	2	20	
F41791	HZN	48	1	1	0	2	1	0	11	
F41791	HZN	72	0	0	0	0	0	0	0	
F41791	HZN	96	0	0	0	0	0	0	0	
F41791	HZN	168	0	0	0	0	0	0	0	
F41803	HZN	1	0	0	1	2	1	1	13	2
F41803	HZN	24	0	0	0	1	0	0	2	
F41803	HZN	48	0	0	0	0	0	0	0	
F41803	HZN	72	0	0	0	0	0	0	0	
F41803	HZN	96	0	0	0	0	0	0	0	
F41803	HZN	168	0	0	0	0	0	0	0	

F40825	HZP	1	0	0	0	2	1	0	6	3
F40825	HZP	24	0	0	0	2	0	0	4	
F40825	HZP	48	0	0	0	1	0	0	2	
F40825	HZP	72	0	0	0	0	0	0	0	
F40825	HZP	96	0	0	0	0	0	0	0	
F40825	HZP	168	0	0	0	0	0	0	0	
F40853	HZP	1	0	0	1	2	1	2	15	2
F40853	HZP	24	0	0	0	2	0	0	4	
F40853	HZP	48	0	0	0	0	0	0	0	
F40853	HZP	72	0	0	0	0	0	0	0	
F40853	HZP	96	0	0	0	0	0	0	0	
F40853	HZP	168	0	0	0	0	0	0	0	
F40888	HZP	1	0	0	0	1	1	1	6	3
F40888	HZP	24	0	0	0	1	0	0	2	
F40888	HZP	48	0	0	0	1	0	0	2	
F40888	HZP	72	0	0	0	0	0	0	0	
F40888	HZP	96	0	0	0	0	0	0	0	
F40888	HZP	168	0	0	0	0	0	0	0	
F41360	HZP	1	0	0	1	2	1	3	17	3
F41360	HZP	24	0	0	0	1	0	0	2	
F41360	HZP	48	0	0	0	1	0	0	2	
F41360	HZP	72	0	0	0	0	0	0	0	
F41360	HZP	96	0	0	0	0	0	0	0	
F41360	HZP	168	0	0	0	0	0	0	0	
F41391	HZP	1	0	0	1	2	2	1	15	3
F41391	HZP	24	0	0	0	2	1	0	6	
F41391	HZP	48	0	0	0	1	0	0	2	
F41391	HZP	72	0	0	0	0	0	0	0	
F41391	HZP	96	0	0	0	0	0	0	0	
F41391	HZP	168	0	0	0	0	0	0	0	
F41415	HZP	1	0	0	1	2	1	0	11	2
F41415	HZP	24	0	0	0	1	0	0	2	
F41415	HZP	48	0	0	0	0	0	0	0	
F41415	HZP	72	0	0	0	0	0	0	0	
F41415	HZP	96	0	0	0	0	0	0	0	
F41415	HZP	168	0	0	0	0	0	0	0	



F40837	HZQ	1	0	0	1	2	1	1	13	1
F40837	HZQ	24	0	0	0	0	0	0	0	
F40837	HZQ	48	0	0	0	0	0	0	0	
F40837	HZQ	72	0	0	0	0	0	0	0	
F40837	HZQ	96	0	0	0	0	0	0	0	
F40837	HZQ	168	0	0	0	0	0	0	0	
F40846	HZQ	1	1	3	1	2	2	2	32	7
F40846	HZQ	24	1	3	1	3	2	2	34	
F40846	HZQ	48	1	1	1	2	1	1	18	
F40846	HZQ	72	1	1	0	1	1	0	9	
F40846	HZQ	96	1	1	0	1	0	0	7	
F40846	HZQ	168	0	0	0	0	0	0	0	
F40884	HZQ	1	0	0	1	2	1	2	15	3
F40884	HZQ	24	0	0	0	2	1	1	8	
F40884	HZQ	48	0	0	0	1	0	0	2	
F40884	HZQ	72	0	0	0	0	0	0	0	
F40884	HZQ	96	0	0	0	0	0	0	0	
F40884	HZQ	168	0	0	0	0	0	0	0	
F41350	HZQ	1	0	0	1	2	1	1	13	3
F41350	HZQ	24	0	0	0	2	0	0	4	
F41350	HZQ	48	0	0	0	2	0	1	6	
F41350	HZQ	72	0	0	0	0	0	0	0	
F41350	HZQ	96	0	0	0	0	0	0	0	
F41350	HZQ	168	0	0	0	0	0	0	0	
F41384	HZQ	1	0	0	1	2	1	0	11	3
F41384	HZQ	24	0	0	0	2	1	0	6	
F41384	HZQ	48	0	0	0	1	0	0	2	
F41384	HZQ	72	0	0	0	0	0	0	0	
F41384	HZQ	96	0	0	0	0	0	0	0	
F41384	HZQ	168	0	0	0	0	0	0	0	
F41414	HZQ	1	0	0	1	2	2	3	19	4
F41414	HZQ	24	1	1	0	2	1	0	11	
F41414	HZQ	48	0	0	0	2	1	0	6	
F41414	HZQ	72	0	0	0	1	0	0	2	
F41414	HZQ	96	0	0	0	0	0	0	0	
F41414	HZQ	168	0	0	0	0	0	0	0	

F41358	HZR	1	1	4	1	2	3	3	41	7
F41358	HZR	24	1	3	1	3	3	1	34	
F41358	HZR	48	1	1	1	3	2	1	22	
F41358	HZR	72	0	0	0	2	1	0	6	
F41358	HZR	96	0	0	0	1	1	0	4	
F41358	HZR	168	0	0	0	0	0	0	0	
F41372	HZR	1	1	4	1	2	3	3	41	4
F41372	HZR	24	1	2	1	2	1	1	23	
F41372	HZR	48	1	1	0	2	1	0	11	
F41372	HZR	72	0	0	0	1	1	0	4	
F41372	HZR	96	0	0	0	0	0	0	0	
F41372	HZR	168	0	0	0	0	0	0	0	
F41407	HZR	1	1	3	1	2	2	3	34	4
F41407	HZR	24	1	1	0	2	1	1	13	
F41407	HZR	48	0	0	0	2	1	2	10	
F41407	HZR	72	0	0	0	1	0	0	2	
F41407	HZR	96	0	0	0	0	0	0	0	
F41407	HZR	168	0	0	0	0	0	0	0	
F41787	HZR	1	1	4	1	2	3	3	41	>21
F41787	HZR	24	1	2	1	2	3	3	31	
F41787	HZR	48	1	2	1	2	2	2	27	
F41787	HZR	72	1	1	1	2	2	1	20	
F41787	HZR	96	1	1	0	2	1	1	13	
F41787	HZR	168	1	1	0	2	1	1	13	
F41787	HZR	336	2	1	0	1	1	0	14	
F41787	HZR	504	1	1	0	0	0	0	5	
F41796	HZR	1	1	3	1	2	2	3	34	4
F41796	HZR	24	1	2	1	2	2	3	29	
F41796	HZR	48	1	1	0	2	1	0	11	
F41796	HZR	72	0	0	0	1	0	0	2	
F41796	HZR	96	0	0	0	0	0	0	0	
F41796	HZR	168	0	0	0	0	0	0	0	
F41801	HZR	1	1	4	1	2	3	3	41	7
F41801	HZR	24	1	3	1	2	2	3	34	
F41801	HZR	48	1	1	1	2	1	0	16	
F41801	HZR	72	1	1	0	2	1	0	11	
F41801	HZR	96	0	0	0	1	0	0	2	
F41801	HZR	168	0	0	0	0	0	0	0	

F40824	HZS	1	1	4	1	2	3	3	41	14
F40824	HZS	24	1	4	1	3	2	2	39	
F40824	HZS	48	1	4	1	2	1	1	33	
F40824	HZS	72	1	2	1	2	1	1	23	
F40824	HZS	96	1	1	0	2	1	0	11	
F40824	HZS	168	1	1	0	1	1	0	9	
F40824	HZS	336	0	0	0	0	0	0	0	
F40863	HZS	1	1	4	1	2	3	3	41	>21
F40863	HZS	24	1	4	1	2	2	3	39	
F40863	HZS	48	1	4	1	3	1	1	35	
F40863	HZS	72	1	2	1	2	2	0	23	
F40863	HZS	96	2	1	1	2	2	1	25	
F40863	HZS	168	1	1	0	2	1	0	11	
F40863	HZS	336	1	1	0	2	1	1	13	
F40863	HZS	504	0	0	0	1	1	1	6	
F40885	HZS	1	1	4	1	2	3	3	41	7
F40885	HZS	24	1	4	1	2	2	2	37	
F40885	HZS	48	1	3	1	2	2	2	32	
F40885	HZS	72	1	3	1	2	2	2	32	
F40885	HZS	96	1	2	1	2	1	1	23	
F40885	HZS	168	0	0	0	0	0	0	0	
F41368	HZS	1	1	4	1	2	3	3	41	>21
F41368	HZS	24	1	4	1	2	3	3	41	
F41368	HZS	48	1	4	1	2	2	2	37	
F41368	HZS	72	1	4	1	2	1	2	35	
F41368	HZS	96	1	3	1	2	2	3	34	
F41368	HZS	168	1	2	1	2	2	2	27	
F41368	HZS	336	3	1	0	3	2	3	31	
F41368	HZS	504	2	1	0	2	2	1	20	
F41374	HZS	1	-	-	1	2	4	3	-	7
F41374	HZS	24	1	4	1	2	2	3	39	
F41374	HZS	48	1	2	1	2	2	2	27	
F41374	HZS	72	1	2	1	2	1	1	23	
F41374	HZS	96	1	1	0	1	1	0	9	
F41374	HZS	168	0	0	0	0	0	0	0	
F41408	HZS	1	1	4	1	2	4	3	43	>21
F41408	HZS	24	1	4	1	2	2	3	39	
F41408	HZS	48	1	2	1	2	2	2	27	
F41408	HZS	72	1	3	1	2	2	2	32	
F41408	HZS	96	1	2	1	2	2	2	27	
F41408	HZS	168	1	2	1	2	2	2	27	
F41408	HZS	336	3	1	1	2	2	3	34	
F41408	HZS	504	4	1	0	2	2	3	34	

F40832	HZT	1	0	0	0	1	1	0	4	1
F40832	HZT	24	0	0	0	0	0	0	0	
F40832	HZT	48	0	0	0	0	0	0	0	
F40832	HZT	72	0	0	0	0	0	0	0	
F40832	HZT	96	0	0	0	0	0	0	0	
F40832	HZT	168	0	0	0	0	0	0	0	
F40851	HZT	1	0	0	0	1	0	0	2	1
F40851	HZT	24	0	0	0	0	0	0	0	
F40851	HZT	48	0	0	0	0	0	0	0	
F40851	HZT	72	0	0	0	0	0	0	0	
F40851	HZT	96	0	0	0	0	0	0	0	
F40851	HZT	168	0	0	0	0	0	0	0	
F40887	HZT	1	0	0	1	2	1	1	13	1
F40887	HZT	24	0	0	0	0	0	0	0	
F40887	HZT	48	0	0	0	0	0	0	0	
F40887	HZT	72	0	0	0	0	0	0	0	
F40887	HZT	96	0	0	0	0	0	0	0	
F40887	HZT	168	0	0	0	0	0	0	0	
F41362	HZT	1	0	0	0	1	1	2	8	1
F41362	HZT	24	0	0	0	0	0	0	0	
F41362	HZT	48	0	0	0	0	0	0	0	
F41362	HZT	72	0	0	0	0	0	0	0	
F41362	HZT	96	0	0	0	0	0	0	0	
F41362	HZT	168	0	0	0	0	0	0	0	
F41383	HZT	1	0	0	1	2	1	1	13	1
F41383	HZT	24	0	0	0	0	0	0	0	
F41383	HZT	48	0	0	0	0	0	0	0	
F41383	HZT	72	0	0	0	0	0	0	0	
F41383	HZT	96	0	0	0	0	0	0	0	
F41383	HZT	168	0	0	0	0	0	0	0	
F41412	HZT	1	0	0	0	1	0	0	2	1
F41412	HZT	24	0	0	0	0	0	0	0	
F41412	HZT	48	0	0	0	0	0	0	0	
F41412	HZT	72	0	0	0	0	0	0	0	
F41412	HZT	96	0	0	0	0	0	0	0	
F41412	HZT	168	0	0	0	0	0	0	0	

F41367	HZU	1	1	3	1	2	2	2	32	3
F41367	HZU	24	1	2	1	3	2	2	29	
F41367	HZU	48	1	1	0	2	1	0	11	
F41367	HZU	72	0	0	0	0	0	0	0	
F41367	HZU	96	0	0	0	0	0	0	0	
F41367	HZU	168	0	0	0	0	0	0	0	
F41393	HZU	1	1	4	1	2	3	3	41	7
F41393	HZU	24	1	4	1	2	1	0	31	
F41393	HZU	48	1	1	0	2	1	0	11	
F41393	HZU	72	1	1	0	1	1	0	9	
F41393	HZU	96	1	1	0	1	1	0	9	
F41393	HZU	168	0	0	0	0	0	0	0	
F41417	HZU	1	1	4	1	2	3	3	41	7
F41417	HZU	24	1	2	0	2	2	2	22	
F41417	HZU	48	1	1	0	2	1	0	11	
F41417	HZU	72	1	1	0	2	1	0	11	
F41417	HZU	96	0	0	0	1	1	0	4	
F41417	HZU	168	0	0	0	0	0	0	0	
F41784	HZU	1	1	3	1	2	2	2	32	3
F41784	HZU	24	1	2	1	2	1	2	25	
F41784	HZU	48	1	1	0	2	1	0	11	
F41784	HZU	72	0	0	0	0	0	0	0	
F41784	HZU	96	0	0	0	0	0	0	0	
F41784	HZU	168	0	0	0	0	0	0	0	
F41793	HZU	1	1	2	1	2	2	2	27	4
F41793	HZU	24	1	1	1	2	2	3	24	
F41793	HZU	48	1	1	0	2	1	0	11	
F41793	HZU	72	0	0	0	1	0	0	2	
F41793	HZU	96	0	0	0	0	0	0	0	
F41793	HZU	168	0	0	0	0	0	0	0	
F41800	HZU	1	1	2	1	2	2	3	29	3
F41800	HZU	24	1	1	0	2	1	1	13	
F41800	HZU	48	0	0	0	2	0	0	4	
F41800	HZU	72	0	0	0	0	0	0	0	
F41800	HZU	96	0	0	0	0	0	0	0	
F41800	HZU	168	0	0	0	0	0	0	0	

F41346	HZV	1	1	4	1	2	3	3	41	7
F41346	HZV	24	1	3	1	3	2	3	36	
F41346	HZV	48	1	1	0	2	1	0	11	
F41346	HZV	72	1	1	0	2	1	0	11	
F41346	HZV	96	0	0	0	1	0	0	2	
F41346	HZV	168	0	0	0	0	0	0	0	
F41394	HZV	1	1	2	1	2	1	1	23	2
F41394	HZV	24	1	1	0	2	1	0	11	
F41394	HZV	48	0	0	0	0	0	0	0	
F41394	HZV	72	0	0	0	0	0	0	0	
F41394	HZV	96	0	0	0	0	0	0	0	
F41394	HZV	168	0	0	0	0	0	0	0	
F41404	HZV	1	1	4	1	2	3	3	41	4
F41404	HZV	24	1	2	0	2	1	0	16	
F41404	HZV	48	1	1	0	1	1	0	9	
F41404	HZV	72	0	0	0	1	0	0	2	
F41404	HZV	96	0	0	0	0	0	0	0	
F41404	HZV	168	0	0	0	0	0	0	0	
F41782	HZV	1	0	0	1	2	2	3	19	2
F41782	HZV	24	0	0	0	1	0	0	2	
F41782	HZV	48	0	0	0	0	0	0	0	
F41782	HZV	72	0	0	0	0	0	0	0	
F41782	HZV	96	0	0	0	0	0	0	0	
F41782	HZV	168	0	0	0	0	0	0	0	
F41788	HZV	1	0	0	1	2	2	3	19	4
F41788	HZV	24	1	1	1	2	2	1	20	
F41788	HZV	48	1	1	0	2	1	0	11	
F41788	HZV	72	0	0	0	1	0	0	2	
F41788	HZV	96	0	0	0	0	0	0	0	
F41788	HZV	168	0	0	0	0	0	0	0	
F41804	HZV	1	0	0	0	2	1	1	8	3
F41804	HZV	24	1	1	0	1	0	0	7	
F41804	HZV	48	0	0	0	1	0	0	2	
F41804	HZV	72	0	0	0	0	0	0	0	
F41804	HZV	96	0	0	0	0	0	0	0	
F41804	HZV	168	0	0	0	0	0	0	0	

F41352	HZW	1	1	4	1	2	1	1	33	7
F41352	HZW	24	1	4	1	2	1	1	33	
F41352	HZW	48	1	2	1	2	1	0	21	
F41352	HZW	72	1	2	1	2	1	1	23	
F41352	HZW	96	0	0	0	2	1	0	6	
F41352	HZW	168	0	0	0	0	0	0	0	
F41377	HZW	1	1	4	1	2	2	2	37	7
F41377	HZW	24	1	3	1	2	2	2	32	
F41377	HZW	48	1	1	1	2	1	0	16	
F41377	HZW	72	1	1	0	2	1	0	11	
F41377	HZW	96	1	1	0	1	0	0	7	
F41377	HZW	168	0	0	0	0	0	0	0	
F41416	HZW	1	0	0	1	2	2	3	19	7
F41416	HZW	24	1	3	1	2	1	1	28	
F41416	HZW	48	1	2	0	2	1	1	18	
F41416	HZW	72	1	1	0	2	1	0	11	
F41416	HZW	96	0	0	0	1	1	0	4	
F41416	HZW	168	0	0	0	0	0	0	0	
F41778	HZW	1	1	1	1	2	2	3	24	4
F41778	HZW	24	1	1	0	2	1	0	11	
F41778	HZW	48	1	1	0	2	0	0	9	
F41778	HZW	72	0	0	0	1	0	0	2	
F41778	HZW	96	0	0	0	0	0	0	0	
F41778	HZW	168	0	0	0	0	0	0	0	
F41795	HZW	1	1	4	1	2	2	3	39	7
F41795	HZW	24	1	2	1	2	2	3	29	
F41795	HZW	48	1	1	0	2	1	0	11	
F41795	HZW	72	1	1	0	1	0	0	7	
F41795	HZW	96	0	0	0	1	0	0	2	
F41795	HZW	168	0	0	0	0	0	0	0	
F41799	HZW	1	1	3	1	2	2	3	34	4
F41799	HZW	24	1	2	1	2	2	1	25	
F41799	HZW	48	1	1	0	2	1	0	11	
F41799	HZW	72	0	0	0	1	1	0	4	
F41799	HZW	96	0	0	0	0	0	0	0	
F41799	HZW	168	0	0	0	0	0	0	0	

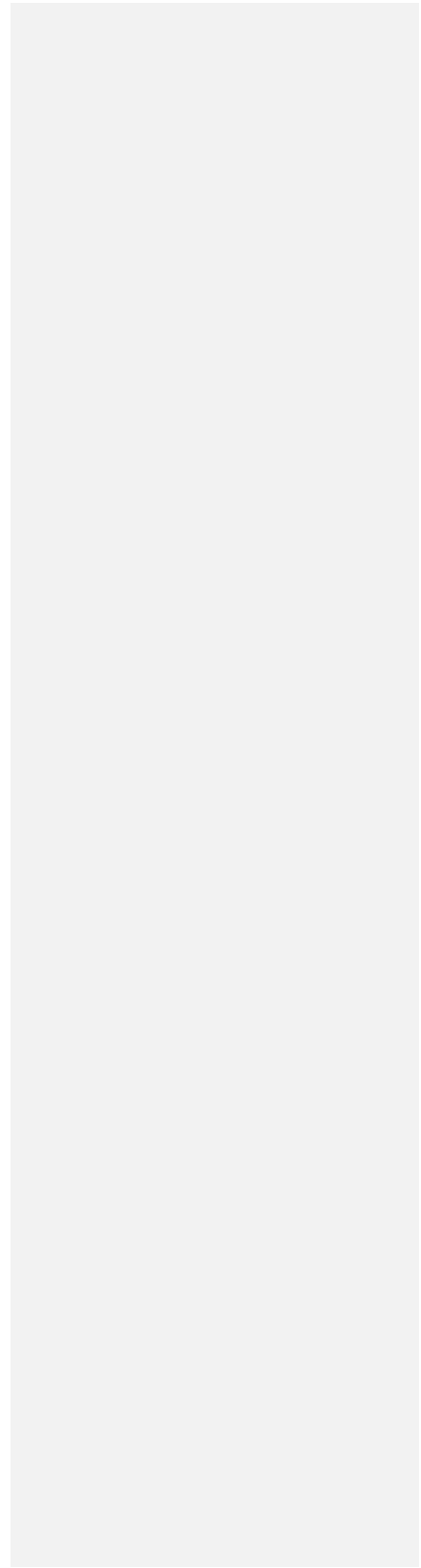
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F40821	HZX	24	1	4	1	2	2	2	37	
F40821	HZX	48	1	4	1	2	2	2	37	
F40821	HZX	72	1	4	1	2	2	2	37	
F40821	HZX	96	1	3	1	2	2	0	28	
F40821	HZX	168	1	2	0	2	2	2	22	
F40821	HZX	336	1	1	0	2	2	2	17	
F40821	HZX	504	1	1	0	2	1	0	11	
F40865	HZX	1	1	4	1	2	3	3	41	7
F40865	HZX	24	1	4	1	3	2	3	41	
F40865	HZX	48	1	2	1	2	1	1	23	
F40865	HZX	72	1	1	0	2	1	0	11	
F40865	HZX	96	1	1	0	1	1	0	9	
F40865	HZX	168	0	0	0	0	0	0	0	
F40878	HZX	1	1	4	1	2	2	3	39	7
F40878	HZX	24	1	4	1	3	2	2	39	
F40878	HZX	48	1	3	1	3	1	2	32	
F40878	HZX	72	1	1	0	2	1	0	11	
F40878	HZX	96	1	1	0	1	1	0	9	
F40878	HZX	168	0	0	0	0	0	0	0	
F41369	HZX	1	1	4	1	2	3	3	41	>21
F41369	HZX	24	1	4	1	3	2	3	41	
F41369	HZX	48	1	3	1	2	2	1	30	
F41369	HZX	72	1	3	1	2	2	2	32	
F41369	HZX	96	1	2	1	2	2	2	27	
F41369	HZX	168	1	2	1	2	2	2	27	
F41369	HZX	336	1	1	0	2	2	2	17	
F41369	HZX	504	0	0	0	1	1	0	4	
F41387	HZX	1	1	4	1	2	3	3	41	>21
F41387	HZX	24	1	4	1	2	2	2	37	
F41387	HZX	48	1	4	1	3	2	2	39	
F41387	HZX	72	1	4	1	2	2	2	37	
F41387	HZX	96	1	2	1	2	1	0	21	
F41387	HZX	168	1	1	0	2	1	1	13	
F41387	HZX	336	1	1	0	1	1	0	9	
F41387	HZX	504	1	1	0	0	0	0	5	
F41413	HZX	1	1	4	1	2	3	3	41	14
F41413	HZX	24	1	4	1	3	2	3	41	
F41413	HZX	48	1	2	1	2	1	2	25	
F41413	HZX	72	1	2	1	2	1	0	21	
F41413	HZX	96	1	1	1	2	1	0	16	
F41413	HZX	168	1	1	0	0	0	0	5	
F41413	HZX	336	0	0	0	0	0	0	0	



F40828	HZY	1	-	-	1	2	4	3	-	7
F40828	HZY	24	1	4	1	2	3	3	41	
F40828	HZY	48	1	4	1	3	1	1	35	
F40828	HZY	72	1	3	1	2	1	1	28	
F40828	HZY	96	1	1	1	2	1	0	16	
F40828	HZY	168	0	0	0	0	0	0	0	
F40858	HZY	1	1	4	1	2	4	3	43	14
F40858	HZY	24	1	4	1	2	2	2	37	
F40858	HZY	48	1	4	1	3	1	2	37	
F40858	HZY	72	1	4	1	3	2	1	37	
F40858	HZY	96	2	1	1	2	2	2	27	
F40858	HZY	168	1	1	0	2	1	0	11	
F40858	HZY	336	0	0	0	0	0	0	0	
F40877	HZY	1	1	4	1	2	4	3	43	7
F40877	HZY	24	1	4	1	3	2	3	41	
F40877	HZY	48	1	4	1	3	2	2	39	
F40877	HZY	72	1	2	1	2	2	0	23	
F40877	HZY	96	1	1	0	3	2	0	15	
F40877	HZY	168	0	0	0	0	0	0	0	
F41354	HZY	1	-	-	1	2	4	3	-	21
F41354	HZY	24	1	4	1	2	2	2	37	
F41354	HZY	48	1	4	1	2	2	2	37	
F41354	HZY	72	1	3	1	3	2	1	32	
F41354	HZY	96	1	2	1	2	2	2	27	
F41354	HZY	168	1	1	1	2	1	0	16	
F41354	HZY	336	1	1	0	1	1	1	11	
F41354	HZY	504	0	0	0	0	0	0	0	
F41376	HZY	1	1	4	1	2	4	3	43	>21
F41376	HZY	24	1	4	1	2	2	2	37	
F41376	HZY	48	1	4	1	3	2	2	39	
F41376	HZY	72	1	3	1	3	2	2	34	
F41376	HZY	96	1	3	1	2	2	1	30	
F41376	HZY	168	1	2	0	2	2	1	20	
F41376	HZY	336	2	1	0	2	2	1	20	
F41376	HZY	504	2	1	0	2	2	1	20	
F41411	HZY	1	-	-	1	2	4	3	-	>21
F41411	HZY	24	1	4	0	2	1	2	30	
F41411	HZY	48	1	4	0	2	1	1	28	
F41411	HZY	72	1	4	1	2	1	0	31	
F41411	HZY	96	1	4	1	2	1	1	33	
F41411	HZY	168	1	4	1	2	1	0	31	
F41411	HZY	336	1	4	0	1	1	0	24	
F41411	HZY	504	1	1	0	1	0	0	7	

F40827	HZZ	1	0	0	0	2	0	0	4	1
F40827	HZZ	24	0	0	0	0	0	0	0	
F40827	HZZ	48	0	0	0	0	0	0	0	
F40827	HZZ	72	0	0	0	0	0	0	0	
F40827	HZZ	96	0	0	0	0	0	0	0	
F40827	HZZ	168	0	0	0	0	0	0	0	
F40848	HZZ	1	0	0	0	1	0	1	4	1
F40848	HZZ	24	0	0	0	0	0	0	0	
F40848	HZZ	48	0	0	0	0	0	0	0	
F40848	HZZ	72	0	0	0	0	0	0	0	
F40848	HZZ	96	0	0	0	0	0	0	0	
F40848	HZZ	168	0	0	0	0	0	0	0	
F40876	HZZ	1	0	0	0	1	0	1	4	1
F40876	HZZ	24	0	0	0	0	0	0	0	
F40876	HZZ	48	0	0	0	0	0	0	0	
F40876	HZZ	72	0	0	0	0	0	0	0	
F40876	HZZ	96	0	0	0	0	0	0	0	
F40876	HZZ	168	0	0	0	0	0	0	0	
F41363	HZZ	1	0	0	0	2	1	0	6	2
F41363	HZZ	24	0	0	0	1	0	0	2	
F41363	HZZ	48	0	0	0	0	0	0	0	
F41363	HZZ	72	0	0	0	0	0	0	0	
F41363	HZZ	96	0	0	0	0	0	0	0	
F41363	HZZ	168	0	0	0	0	0	0	0	
F41388	HZZ	1	0	0	0	1	0	0	2	1
F41388	HZZ	24	0	0	0	0	0	0	0	
F41388	HZZ	48	0	0	0	0	0	0	0	
F41388	HZZ	72	0	0	0	0	0	0	0	
F41388	HZZ	96	0	0	0	0	0	0	0	
F41388	HZZ	168	0	0	0	0	0	0	0	
F41419	HZZ	1	0	0	0	1	0	0	2	2
F41419	HZZ	24	0	0	0	1	0	0	2	
F41419	HZZ	48	0	0	0	0	0	0	0	
F41419	HZZ	72	0	0	0	0	0	0	0	
F41419	HZZ	96	0	0	0	0	0	0	0	
F41419	HZZ	168	0	0	0	0	0	0	0	

**CTFA Phase III Study  
LVET Animal Data– 3 Day Averages**



ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#1	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#1	20	0.3	0.3	0.7	2.3	1.0	0.3	3	4
3	#1	11	0.3	0.3	0.0	1.0	0.7	0.0	2	3
4	#1	13	0.3	0.3	0.0	1.0	0.7	0.0	2	3
5	#1	11	0.3	0.3	0.0	0.7	0.3	0.0	2	2
6	#1	11	0.3	0.3	0.0	1.7	0.7	0.0	3	4

Dose Vol 0.01

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#2	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#2	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#2	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
4	#2	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#2	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
6	#2	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0

Dose Vol 0.01

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#3	6	0.0	0.0	0.0	1.0	0.3	0.0	2	3
2	#3	17	0.7	0.7	0.0	1.3	0.7	1.0	3	3
3	#3	25	1.0	1.3	0.7	2.3	1.3	0.0	4	4
4	#3	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#3	16	0.7	0.7	0.7	1.3	0.7	0.0	3	3
6	#3	6	0.0	0.0	0.0	0.7	0.3	0.0	0	2

Dose Vol 0.01

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#4	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#4	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#4	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
4	#4	16	0.7	0.7	0.3	1.0	0.3	0.0	3	3
5	#4	13	0.3	0.3	0.0	0.7	0.7	0.0	2	2
6	#4	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0

Dose Vol 0.01

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#5	15	0.3	0.3	0.0	1.0	0.3	0.7	2	3
2	#5	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
3	#5	16	0.3	0.3	0.3	0.7	0.3	0.0	2	2
4	#5	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#5	7	0.3	0.3	0.0	0.3	0.0	0.0	2	2
6	#5	9	0.3	0.3	0.0	0.3	0.3	0.0	2	2

Dose Vol 0.01

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
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ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#6	6	0.0	0.0	0.0	1.3	0.7	0.0	3	3
2	#6	20	0.7	0.7	0.7	2.0	1.0	0.0	3	3
3	#6	7	0.3	0.3	0.0	0.3	0.0	0.0	2	2
4	#6	19	0.7	1.0	0.3	0.7	0.7	0.0	3	3
5	#6	11	0.7	0.7	0.0	1.3	0.7	0.0	3	3
6	#6	16	0.7	1.0	0.0	1.0	0.7	0.0	3	3

Dose Vol 0.01

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#7	7	0.3	0.3	0.0	0.3	0.0	0.0	2	2
2	#7	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
3	#7	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
4	#7	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#7	16	0.7	1.0	0.0	1.3	0.7	0.0	3	3
6	#7	11	0.3	0.3	0.0	1.7	1.0	0.0	3	4
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#8	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#8	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#8	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
4	#8	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#8	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
6	#8	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#9	30	1.0	2.0	0.7	2.0	1.3	0.3	4	4
2	#9	28	1.0	1.7	0.7	2.3	0.7	0.0	4	4
3	#9	36	1.0	1.7	0.3	2.7	2.0	1.7	22	22
4	#9	32	1.0	1.7	1.0	2.0	1.3	0.7	4	4
5	#9	20	0.3	0.3	0.7	1.3	0.7	0.7	3	3
6	#9	23	1.0	1.3	0.3	1.7	0.7	0.3	4	4
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#10	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#10	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#10	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
4	#10	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#10	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
6	#10	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#11	27	0.7	1.0	0.3	1.7	1.3	1.0	3	4
2	#11	28	1.0	2.0	0.7	2.0	1.0	0.0	4	4
3	#11	28	1.0	1.7	0.7	2.3	1.7	0.7	22	22
4	#11	29	1.0	1.3	0.3	2.0	1.3	1.0	4	4
5	#11	20	0.7	0.7	0.7	1.3	1.0	0.7	3	3
6	#11	28	1.0	1.7	0.3	2.0	1.0	0.3	7	7
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#12	21	1.0	1.3	0.7	2.0	1.0	0.0	4	4
2	#12	18	1.0	1.0	0.7	2.0	1.0	0.0	4	4
3	#12	11	0.7	0.7	0.0	1.0	0.7	0.0	3	3
4	#12	18	0.7	0.7	0.3	1.7	1.3	0.0	3	4
5	#12	16	0.3	0.3	0.3	1.3	0.7	0.0	3	3
6	#12	23	1.0	1.3	0.3	1.7	0.7	0.3	4	4
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#13	6	0.0	0.0	0.0	0.7	0.3	0.0	2	2
2	#13	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#13	4	0.0	0.0	0.0	0.3	0.3	0.0	2	2
4	#13	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#13	11	0.3	0.3	0.0	0.7	0.3	0.0	2	2
6	#13	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#14	5	0.3	0.3	0.0	0.0	0.0	0.0	2	2
2	#14	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#14	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
4	#14	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#14	7	0.3	0.3	0.0	0.3	0.0	0.0	2	2
6	#14	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#15	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#15	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
3	#15	4	0.0	0.0	0.0	0.3	0.3	0.0	0	2
4	#15	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#15	9	0.3	0.3	0.0	0.3	0.3	0.0	2	2
6	#15	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#16	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#16	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#16	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
4	#16	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#16	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
6	#16	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#17	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#17	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
3	#17	11	0.3	0.3	0.0	1.0	0.3	0.0	2	3
4	#17	7	0.3	0.3	0.0	0.3	0.0	0.0	2	2
5	#17	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
6	#17	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#18	24	1.0	1.0	0.3	2.3	1.3	1.0	4	7
2	#18	39	1.0	3.0	1.0	3.0	2.0	2.0	22	22
3	#18	31	1.0	2.3	1.0	2.0	1.0	0.0	7	7
4	#18	6	0.0	0.0	0.0	0.7	0.3	0.0	2	2
5	#18	21	1.0	2.0	0.0	1.7	1.0	0.0	7	7
6	#18	39	1.0	2.3	1.0	2.0	2.0	1.7	7	7
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#19	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#19	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#19	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
4	#19	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#19	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
6	#19	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#20	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
2	#20	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#20	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
4	#20	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#20	11	0.3	0.3	0.0	1.0	0.7	0.0	2	3
6	#20	16	0.7	0.7	0.3	1.0	0.3	0.0	3	3
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#21	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
2	#21	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#21	11	0.3	0.3	0.0	0.7	0.3	0.0	2	2
4	#21	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
5	#21	2	0.0	0.0	0.0	0.3	0.0	0.0	0	0
6	#21	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Dose Vol		0.01								

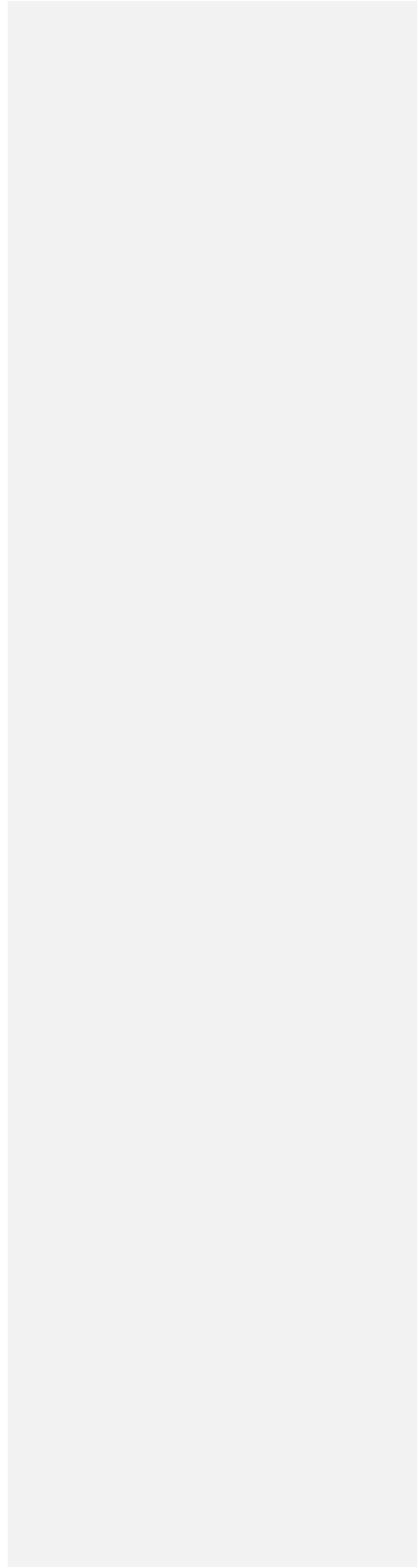
ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#22	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
2	#22	11	0.0	0.0	0.3	1.3	0.7	0.0	3	3
3	#22	16	0.7	0.7	0.3	1.0	0.3	0.0	3	3
4	#22	22	0.7	1.0	0.0	1.0	0.3	1.0	3	3
5	#22	7	0.3	0.3	0.0	0.3	0.0	0.0	2	2
6	#22	16	0.7	0.7	0.3	1.3	0.7	0.0	3	3
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#23	25	1.0	1.3	0.3	2.0	1.3	0.7	4	4
2	#23	25	1.0	1.3	0.3	2.3	1.3	0.0	4	4
3	#23	21	1.0	1.3	0.3	1.7	1.0	0.0	7	7
4	#23	13	0.3	0.3	0.0	1.7	1.0	0.0	3	4
5	#23	27	0.7	1.0	0.3	2.0	1.7	0.7	4	4
6	#23	12	0.7	1.0	0.0	0.7	0.0	0.0	3	3
Dose Vol		0.01								

ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#24	29	1.0	1.3	1.0	3.0	1.3	0.7	4	7
2	#24	27	1.0	1.3	0.3	2.7	1.0	0.7	4	4
3	#24	39	1.0	2.7	1.0	2.0	1.7	1.0	14	14
4	#24	29	0.7	1.0	0.3	2.0	1.3	1.0	4	7
5	#24	32	1.0	1.7	0.7	2.0	1.7	0.7	4	4
6	#24	31	1.0	2.3	0.3	1.7	1.0	0.0	7	7
Dose Vol		0.01								

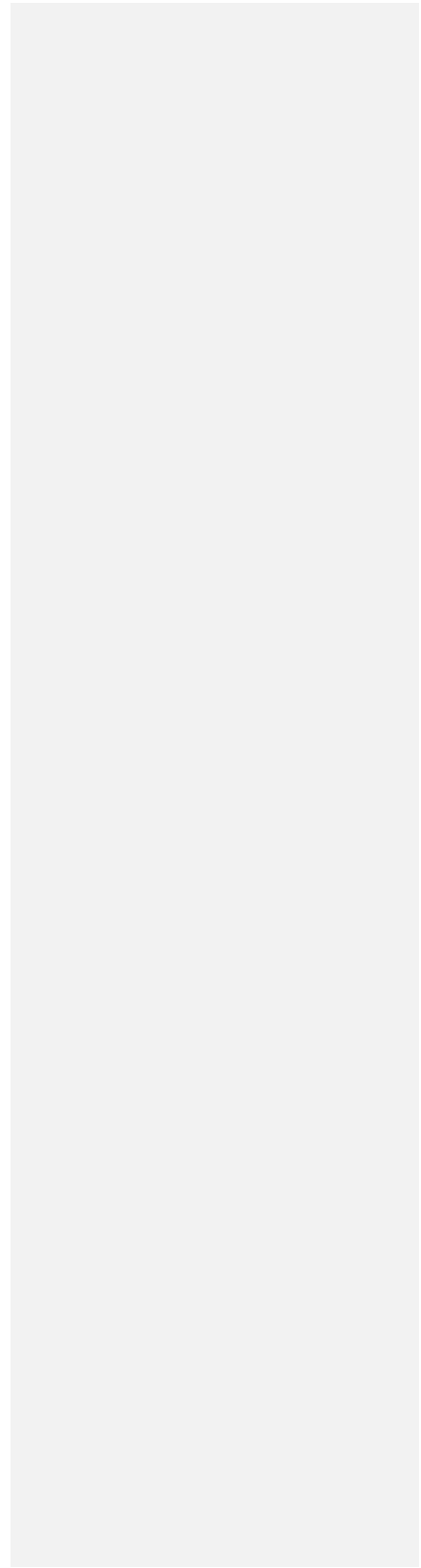
ANIMAL ID	MATL	MAS	OPACITY	AREA	IRIS	REDNESS	CHEMOSIS	DISCHARGE	DtC EPA	DtC GHS
1	#25	2	0.0	0.0	0.0	0.3	0.0	0.0	0	2
2	#25	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
3	#25	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
4	#25	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
5	#25	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
6	#25	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Dose Vol		0.01								

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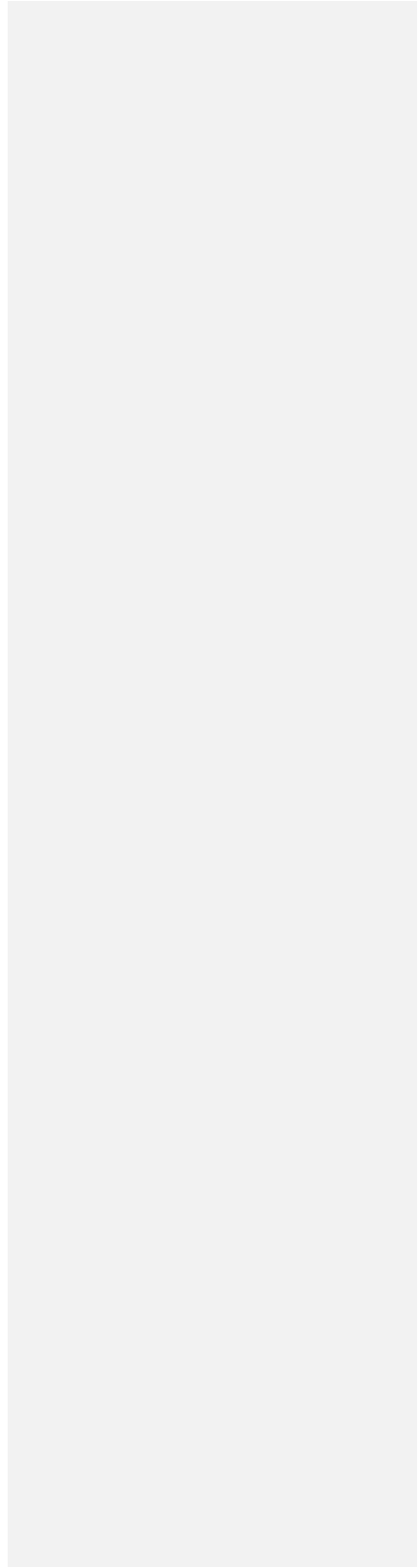




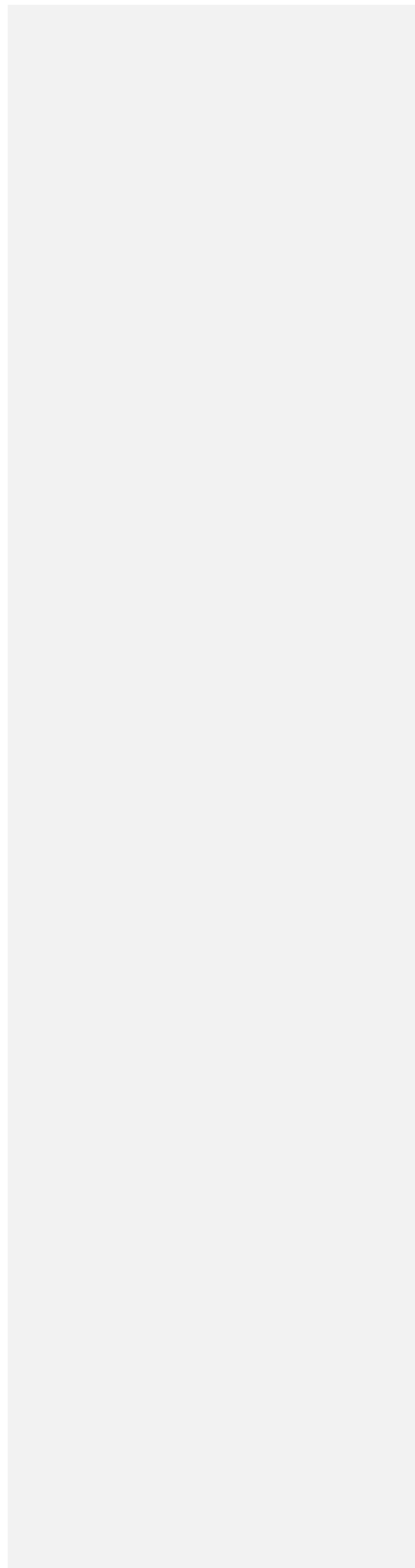
**ANNEX J**  
**(COLIPA Animal Data)**



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**COLIPA Animal Data  
Hazard Classification Spreadsheets**





Substance	EU	GHIS	EPA
Category	EU	GHIS	EPA
Summary	Persistence (YES/NO/?, days) <b>3</b>		
max. cornea	max. cornea of 47	max. cornea of 47	max. cornea of 47
max. # of animals	max. # of animals	max. # of animals	max. # of animals
max. # of animals at a time	max. # of animals at a time	max. # of animals at a time	max. # of animals at a time
max. # of animals per day	max. # of animals per day	max. # of animals per day	max. # of animals per day
max. # of animals per week	max. # of animals per week	max. # of animals per week	max. # of animals per week
max. # of animals per month	max. # of animals per month	max. # of animals per month	max. # of animals per month
max. # of animals per quarter	max. # of animals per quarter	max. # of animals per quarter	max. # of animals per quarter
max. # of animals per year	max. # of animals per year	max. # of animals per year	max. # of animals per year
Animal 1	20	21	21
Animal 2	20	21	21
Animal 3	20	21	21
Animal 4	20	21	21
Animal 5	20	21	21
Animal 6	20	21	21

Substance	Perfumed skin lotion		No. of animals		Date/entry		AS		EPA		EU		GHS		NO							
	CAN-1F	EU-1F	AS	EU	Date	Time	AS	EU	max. cornea	max. skin lesions	max. chromidosis	mean/median	R05 R41	percentile	Cat. 1	Cat. 2	Cat. 3	Cat. 4*	max. cornea	max. skin lesions	max. chromidosis	
Chemical name	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS
<b>Animal 1</b>																						
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chemicals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromidosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discharge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)																						
EU and GHS full reversibility after... days: 7																						
EPA: 0																						
<b>Animal 2</b>																						
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chemicals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromidosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discharge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)																						
EU and GHS full reversibility after... days: 7																						
EPA: 0																						
<b>Animal 3</b>																						
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chemicals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromidosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discharge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)																						
EU and GHS full reversibility after... days: 7																						
EPA: 0																						
<b>Animal 4</b>																						
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chemicals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromidosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discharge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)																						
EU and GHS full reversibility after... days: 7																						
EPA: 0																						
<b>Animal 5</b>																						
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chemicals involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromidosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Discharge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)																						
EU and GHS full reversibility after... days: 7																						
EPA: 0																						

Reversible (EU/GHS)	Reversible (EPA)
1	1
2	2
3	3

FALSE
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SUBSTANCE		Pocahontas, arund.		3		Date entry		AS		EPA		EU		GHS		NO		
CAH-NP	No. of animals	Initial Allocation	Final Allocation	AS	12 Code	Date	Quality check	Initial Allocation	Final Allocation	max. score	max. score of 4?	max. score of 4?	max. score of 4?	max. score of 4?	max. score of 4?	max. score of 4?	max. score of 4?	
Chemical Name	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	Lot	
Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	
Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	
Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	
EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	
GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	
EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Substance		Chemical no. / nominal		Date entry		AS																		
CAZ-NP	no. of animals	no. of animals	AS	Date	Date	12 Oct	12 Oct																	
Formulation	Formulation	Formulation	Formulation	Quality check	Quality check	Quality check	Quality check																	
Concentration	Concentration	Concentration	Concentration	DMR	DMR	DMR	DMR																	
Substance source	Substance source	Substance source	Substance source	DMR	DMR	DMR	DMR																	
Identifications	Identifications	Identifications	Identifications	DMR	DMR	DMR	DMR																	
EU	R4H	EU	R4H	EU	R4H	EU	R4H																	
category 1	category 1	category 1	category 1	category 1	category 1	category 1	category 1																	
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Conjunctival Redness	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Chemosis	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Discharge	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after ... days (2-21)																					
Notes:																								
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Conjunctival Redness	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Chemosis	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Discharge	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after ... days (2-21)																					
Notes:																								
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Conjunctival Redness	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Chemosis	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Discharge	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after ... days (2-21)																					
Notes:																								
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Conjunctival Redness	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Chemosis	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Discharge	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after ... days (2-21)																					
Notes:																								
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Les	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Conjunctival Redness	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Chemosis	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Discharge	day	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after ... days (2-21)																					
Notes:																								

reversible	reversible
EU(GHS)	(EPA)
2	3

1	1
0.67	0
2.67	0
2.00	0





Substance	CAS-No.	Ined. classif.	No. of animals	Date of entry	AS	SUMMARY							EPA	NO	NO	NO	NO	NO						
						Permeability (YES/NO?, days)	EU	NO	NO	NO	NO	NO							NO	NO				
Animal 1	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Substance	CAS-No.	Ined. classif.	No. of animals	Date of entry	AS	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Animal 1	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 2	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 3	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 4	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 5	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 6	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Substance	CAS-Nr	No. of animals	Date of birth	Date of arrival	AS	Date of entry	Date	AS	172-04	SUMMARY																					EPA	NO
										Persistence (YES/NO/?, days)							EU							GHS								
Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name						
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
Animal 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
Animal 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
Animal 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
Animal 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					

hour	day	EU	GHS	EPA	max. score
0	1	0.00	0.00	0.00	0.00
0	2	0.00	0.00	0.00	0.00
0	3	0.00	0.00	0.00	0.00
0	4	0.00	0.00	0.00	0.00
0	5	0.00	0.00	0.00	0.00
0	6	0.00	0.00	0.00	0.00
0	7	0.00	0.00	0.00	0.00
0	8	0.00	0.00	0.00	0.00
0	9	0.00	0.00	0.00	0.00
0	10	0.00	0.00	0.00	0.00
0	11	0.00	0.00	0.00	0.00
0	12	0.00	0.00	0.00	0.00
0	13	0.00	0.00	0.00	0.00
0	14	0.00	0.00	0.00	0.00
0	15	0.00	0.00	0.00	0.00
0	16	0.00	0.00	0.00	0.00
0	17	0.00	0.00	0.00	0.00
0	18	0.00	0.00	0.00	0.00
0	19	0.00	0.00	0.00	0.00
0	20	0.00	0.00	0.00	0.00
0	21	0.00	0.00	0.00	0.00





Substance		Poovth/Venue/govt/DOJ		AS	
CAE-NP	no. of animals	6	Date entry	17/04	AS
Product	Material/Duration	0/0	Date	17/04	17/04
Lot	Quality check	0/0	Quality check	0/0	0/0
Concentration	Preparation	0/0	Preparation	0/0	0/0
Substance source	MWAS (REC/LOC)	0/0	MWAS REC/OC	0/0	0/0

SUMMARY		EU		GHS		EPA		NO	
Persistence (YES/NO(7 days))	max. score	20	21	max. median	0.00	R05	0/0	0/0	0/0
Cornea Opacity	max. score	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Eye Irritation	max. score	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Chemicals	max. score	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 1	Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 1	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 1	Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 1	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 1	Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 2	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 2	Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 2	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 2	Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 3	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 3	Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 3	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 3	Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 4	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 4	Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 4	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 4	Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	Cornea Opacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 5	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 5	Chemicals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 5	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal 5	Reversible effects at d01 (No = 0; Yes = 1; unknown = ?)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

reversible (EUGHS)	reversible (EPA)
0	0
1	1
2	2
3	3
FALSE	

SUBSTANCE		Prevalence in lot		EU		GHS		EPA		NO					
CAZ-NP	no. of animals	no. of animals	date entry	AS	Persistence (YES/NO/?, days)	mean/median	RO5	R4+1	percentile	Cat. 1	cornes of 4?	max. cornes	day 7-20	day 21	data
EU and GHS	EU and GHS	EU and GHS	EU & GHS full reversibility after ... days	EU & GHS full reversibility after ... days	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<p><b>SUMMARY</b></p> <p>Persistence (YES/NO/?, days): 3</p> <p>Cornes Opacity: 0.00, 0.00, 0.00, 0.00, 0.00</p> <p>les. mucociliae: 0.00, 0.00, 0.00, 0.00, 0.00</p> <p>Chromoblasts: 0.00, 0.00, 0.00, 0.00, 0.00</p> <p>max. cornes: 0, 0, 0, 0, 0</p> <p>max. les. mucociliae: 0, 0, 0, 0, 0</p> <p>max. chromoblasts: 0, 0, 0, 0, 0</p>															

EPA		EU and GHS		EU and GHS full reversibility after ... days	
no category	category I	no category	category I	no category	category I
Animal 1	1	1	1	1	1
Animal 2	1	1	1	1	1
Animal 3	1	1	1	1	1
Animal 4	1	1	1	1	1
Animal 5	1	1	1	1	1

Substance	CAS-Nr	Formula	no. of animals	Data entry		AS	P
				Date	17 Oct		
Substance							
Quality check							
Concentration							
Substance source							

EU	GHS	EPA	Persistence (YES/NO/?, days)		max. score
			EU	GHS	

Summary	EU	NO	GHS	NO	EPA	NO	day	max. score
Persistence (YES/NO/?, days)								
Cornea Opacity								
Eye Irritation								
Mucous Membrane Irritation								

Animal 1	Animal 2	Animal 3	Animal 4	Animal 5
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

Animal 1	Animal 2	Animal 3	Animal 4	Animal 5
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

Animal 1	Animal 2	Animal 3	Animal 4	Animal 5
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00



Substance	CAS-No	Control	General		Date entry		AS		Persistence (YES/NO/?, days)										GHS			EPA			max. cornea of 4? max. cornea of 4? max. iris max. choroides max. chromidies											
			no. of animals	no. of treatments	Date	Validity	AS	AS	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO												
Animal 1			hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18														
Animal 2			hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18														
Animal 3			hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18														
Animal 4			hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18														
Animal 5			hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18														
Cornea Opacity			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Iris			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Chromidies			1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Chromidies			1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Discharge			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														
Reversible effects in dGT (No = 0; Yes = 1; unknown = ?)			EU and GHS			EPA													GHS			EPA														

Substance	CAS-Nr	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	EPA	
																							max. cornea	max. score
<b>SUMMARY</b> Persistence (YES/NO/?, days): EU NO, GHS NO, EPA NO Cornea Opacity: EU NO, GHS NO, EPA NO Iris at Luchina Retinas: EU NO, GHS NO, EPA NO Chiasmata: EU NO, GHS NO, EPA NO																								
<b>EU</b> Persistence (YES/NO/?, days): NO Cornea Opacity: NO Iris at Luchina Retinas: NO Chiasmata: NO																								
<b>GHS</b> Persistence (YES/NO/?, days): NO Cornea Opacity: NO Iris at Luchina Retinas: NO Chiasmata: NO																								
<b>EPA</b> Persistence (YES/NO/?, days): NO Cornea Opacity: NO Iris at Luchina Retinas: NO Chiasmata: NO																								
Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	reversible (EU/GHS)	reversible (EPA)
Animal 2	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	reversible (EU/GHS)	reversible (EPA)
Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	reversible (EU/GHS)	reversible (EPA)
Animal 4	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	reversible (EU/GHS)	reversible (EPA)
Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	reversible (EU/GHS)	reversible (EPA)
Animal 6	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	reversible (EU/GHS)	reversible (EPA)





Substance	CAS-Nr	Sodium hydroxide 1%	No. of animals	AS	Date entry	AS	SUMMARY														EPA	NO	NO
							Persistence (YES/NO/?, days)		EU		GHS		NO		7		NO		NO				
Chemical name	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.					
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Animal 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
Animal 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
Animal 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					

Substance	EU	GHS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Animal 1	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21
Animal 2	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21
Animal 3	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21
Animal 4	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21
Animal 5	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21	20	21

Substance	CAS-NO	No. of animals	Date of test	Date of entry into force	Date	EPA		EU		GHS		EPA														
						max. concn	min. concn	max. concn	min. concn	max. concn	min. concn	max. concn	min. concn													
Animal 1	1	1	hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Persistence (YES/NO?, days): NO NO Cornea Opacity: 0.75 0 0 0.40 0 0 0.75 0 0 0.75 0 0 1.33 0 Iris at Locus Rufus: 4 56 0 1 33 0 Corneal Reflex: 0.67 0 0.67 0 0.67 0 1.33 0 Conjunctival Reflex: 0.67 0 0.67 0 0.67 0 1.33 0 Discharge: 0.67 0 0.67 0 0.67 0 1.33 0 Reversible effects in dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU and GHS full reversibility after... days: 14 14																										
Notes: Cornea Opacity: mean (median, R05, R01, percentile) Cat 1, 14, 0 max. score: 1.4, 0 (EU/GHS) (EPA)																										
Animal 2	1	1	hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Persistence (YES/NO?, days): NO NO Cornea Opacity: 0.33 0 0 0.68 0 0 0.68 0 0 2.00 0 0 1.33 0 Iris at Locus Rufus: 4 56 0 1 33 0 Corneal Reflex: 0.68 0 0.68 0 0.68 0 1.33 0 Conjunctival Reflex: 0.68 0 0.68 0 0.68 0 1.33 0 Discharge: 0.68 0 0.68 0 0.68 0 1.33 0 Reversible effects in dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU and GHS full reversibility after... days: 14 14																										
Notes: Cornea Opacity: mean (median, R05, R01, percentile) Cat 1, 0.33, 0 max. score: 0.33, 0 (EU/GHS) (EPA)																										
Animal 3	1	1	hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Persistence (YES/NO?, days): NO NO Cornea Opacity: 0.00 0 0 0.00 0 0 0.00 0 0 0.00 0 0 0.00 0 Iris at Locus Rufus: 4 56 0 1 33 0 Corneal Reflex: 0.00 0 0.00 0 0.00 0 0.00 0 Conjunctival Reflex: 0.00 0 0.00 0 0.00 0 0.00 0 Discharge: 0.00 0 0.00 0 0.00 0 0.00 0 Reversible effects in dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU and GHS full reversibility after... days: 14 14																										
Notes: Cornea Opacity: mean (median, R05, R01, percentile) Cat 1, 0.00, 0 max. score: 0.00, 0 (EU/GHS) (EPA)																										
Animal 4	1	1	hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Persistence (YES/NO?, days): NO NO Cornea Opacity: 2.00 0 0 1.67 0 0 3.00 0 0 2.33 0 0 1.67 0 Iris at Locus Rufus: 4 56 0 1 33 0 Corneal Reflex: 1.67 0 1.67 0 1.67 0 2.33 0 Conjunctival Reflex: 1.67 0 1.67 0 1.67 0 2.33 0 Discharge: 1.67 0 1.67 0 1.67 0 2.33 0 Reversible effects in dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU and GHS full reversibility after... days: 14 14																										
Notes: Cornea Opacity: mean (median, R05, R01, percentile) Cat 1, 2.00, 0 max. score: 2.00, 0 (EU/GHS) (EPA)																										
Animal 5	1	1	hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Persistence (YES/NO?, days): NO NO Cornea Opacity: #DIV/0! 0 0 #DIV/0! 0 0 #DIV/0! 0 0 #DIV/0! 0 0 #DIV/0! 0 Iris at Locus Rufus: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Corneal Reflex: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Conjunctival Reflex: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Discharge: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Reversible effects in dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU and GHS full reversibility after... days: 14 14																										
Notes: Cornea Opacity: mean (median, R05, R01, percentile) Cat 1, #DIV/0!, 0 max. score: #DIV/0!, 0 (EU/GHS) (EPA)																										
Animal 6	1	1	hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Persistence (YES/NO?, days): NO NO Cornea Opacity: #DIV/0! 0 0 #DIV/0! 0 0 #DIV/0! 0 0 #DIV/0! 0 0 #DIV/0! 0 Iris at Locus Rufus: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Corneal Reflex: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Conjunctival Reflex: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Discharge: #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 #DIV/0! 0 Reversible effects in dGT (No = 0; Yes = 1; unknown = ?): EU and GHS EU and GHS full reversibility after... days: 14 14																										
Notes: Cornea Opacity: mean (median, R05, R01, percentile) Cat 1, #DIV/0!, 0 max. score: #DIV/0!, 0 (EU/GHS) (EPA)																										

Substance	Form X1 (0.05%) 11	AS	AS
CAE-NP	6	Date entry	17/04
Lot no.		Date	
Manufacturer		Quality check	
Composition		Manufacturer	
Concentration		Batch	
Substance source		DMP	
Classification			

EU	NO	GH5	NO	EPA	NO
Persistence (YES/NO/?, days)		mean/median/ R05/ R04/1		max. cornea of 47	
Cornea Opacity	1.22	0	1.33	Cat. 1	0
Respiratory tract irritation	0.33	0	0.00	max. iris	0
Chiasmata	2.08	1	2.00	max. epithelium	1
Chiasmata				max. chiasmata	3

Animal 1	hour	day	EU & GH5 full reversibility after ... days	max. score																	
Cornea Opacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Respiratory tract irritation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiasmata	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Animal 2	hour	day	EU & GH5 full reversibility after ... days	max. score																	
Cornea Opacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Respiratory tract irritation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiasmata	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Animal 3	hour	day	EU & GH5 full reversibility after ... days	max. score																	
Cornea Opacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Respiratory tract irritation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiasmata	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Animal 4	hour	day	EU & GH5 full reversibility after ... days	max. score																	
Cornea Opacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Respiratory tract irritation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiasmata	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Animal 5	hour	day	EU & GH5 full reversibility after ... days	max. score																	
Cornea Opacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Respiratory tract irritation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiasmata	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Animal 6	hour	day	EU & GH5 full reversibility after ... days	max. score																	
Cornea Opacity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Respiratory tract irritation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiasmata	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Discharge	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Reversible (EU/GHS)	Reversible (EPA)
14	0
7	0
7	0
7	0
14	0

FALSE





Substance	Bovabakom chloride 1% 11	AS	AS
CAZ-NP	4	Date entry	12/2014
CAZ-NP		Date	
Formulation		Quality check	
Composition		Quality check	
Concentration		Date	
Manufacturer		Date	
Substance source		Date	
		DMR	
		DMR	

EU	YES	NO	EU	YES	NO	EU	YES	NO
Persistence (YES/NO/?, days)			14			14		
Cornea Opacity	mean/median/ R05/ R04/ R03/ R02/ R01	0.80/ 0/ 0/ 0/ 0	Cat 2	0	0	Cat 1	0	0
Iris	mean/median/ R05/ R04/ R03/ R02/ R01	0.67/ 0/ 0/ 0/ 0	Cat 2	0	0	Cat 1	0	0
Chlorophyll	mean/median/ R05/ R04/ R03/ R02/ R01	1.92/ 0/ 0/ 0/ 0	Cat 2	0	0	Cat 1	0	0
Chlorophyll	mean/median/ R05/ R04/ R03/ R02/ R01	1.92/ 0/ 0/ 0/ 0	Cat 2	0	0	Cat 1	0	0

hour	day	EU & GHS full reversibility after ... days	max. score
Animal 1	1	20	2.1
Animal 2	1	20	2.1
Animal 3	1	20	2.1
Animal 4	1	20	2.1
Animal 5	1	20	2.1

hour	day	EU & GHS full reversibility after ... days	max. score
Animal 1	1	20	2.1
Animal 2	1	20	2.1
Animal 3	1	20	2.1
Animal 4	1	20	2.1
Animal 5	1	20	2.1

hour	day	EU & GHS full reversibility after ... days	max. score
Animal 1	1	20	2.1
Animal 2	1	20	2.1
Animal 3	1	20	2.1
Animal 4	1	20	2.1
Animal 5	1	20	2.1

hour	day	EU & GHS full reversibility after ... days	max. score
Animal 1	1	20	2.1
Animal 2	1	20	2.1
Animal 3	1	20	2.1
Animal 4	1	20	2.1
Animal 5	1	20	2.1

hour	day	EU & GHS full reversibility after ... days	max. score
Animal 1	1	20	2.1
Animal 2	1	20	2.1
Animal 3	1	20	2.1
Animal 4	1	20	2.1
Animal 5	1	20	2.1

Reversible (EU/GHS)	Reversible (EPA)
14	7
14	14
>21	>21
3	3

Reversible (EU/GHS)	Reversible (EPA)
1	1
1	1
1	1
1	1

SUBSTANCE		Benzalkonium chloride, 1% [2]		AS		AS	
CAZ-NP	No. of animals	Date entry	AS	Date	12 Oct		
EU	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS	EU and GHS
1	4	1	2	3	4	5	6
2	4	1	2	3	4	5	6
3	3	2	3	4	5	6	7
4	3	2	3	4	5	6	7
5	3	2	3	4	5	6	7
6	3	2	3	4	5	6	7
7	3	2	3	4	5	6	7
8	3	2	3	4	5	6	7
9	3	2	3	4	5	6	7
10	3	2	3	4	5	6	7
11	3	2	3	4	5	6	7
12	3	2	3	4	5	6	7
13	3	2	3	4	5	6	7
14	3	2	3	4	5	6	7
15	3	2	3	4	5	6	7
16	3	2	3	4	5	6	7
17	3	2	3	4	5	6	7
18	3	2	3	4	5	6	7
19	3	2	3	4	5	6	7
20	3	2	3	4	5	6	7
21	3	2	3	4	5	6	7
22	3	2	3	4	5	6	7
23	3	2	3	4	5	6	7
24	3	2	3	4	5	6	7
25	3	2	3	4	5	6	7
26	3	2	3	4	5	6	7
27	3	2	3	4	5	6	7
28	3	2	3	4	5	6	7
29	3	2	3	4	5	6	7
30	3	2	3	4	5	6	7
31	3	2	3	4	5	6	7
32	3	2	3	4	5	6	7
33	3	2	3	4	5	6	7
34	3	2	3	4	5	6	7
35	3	2	3	4	5	6	7
36	3	2	3	4	5	6	7
37	3	2	3	4	5	6	7
38	3	2	3	4	5	6	7
39	3	2	3	4	5	6	7
40	3	2	3	4	5	6	7
41	3	2	3	4	5	6	7
42	3	2	3	4	5	6	7
43	3	2	3	4	5	6	7
44	3	2	3	4	5	6	7
45	3	2	3	4	5	6	7
46	3	2	3	4	5	6	7
47	3	2	3	4	5	6	7
48	3	2	3	4	5	6	7
49	3	2	3	4	5	6	7
50	3	2	3	4	5	6	7
51	3	2	3	4	5	6	7
52	3	2	3	4	5	6	7
53	3	2	3	4	5	6	7
54	3	2	3	4	5	6	7
55	3	2	3	4	5	6	7
56	3	2	3	4	5	6	7
57	3	2	3	4	5	6	7
58	3	2	3	4	5	6	7
59	3	2	3	4	5	6	7
60	3	2	3	4	5	6	7
61	3	2	3	4	5	6	7
62	3	2	3	4	5	6	7
63	3	2	3	4	5	6	7
64	3	2	3	4	5	6	7
65	3	2	3	4	5	6	7
66	3	2	3	4	5	6	7
67	3	2	3	4	5	6	7
68	3	2	3	4	5	6	7
69	3	2	3	4	5	6	7
70	3	2	3	4	5	6	7
71	3	2	3	4	5	6	7
72	3	2	3	4	5	6	7
73	3	2	3	4	5	6	7
74	3	2	3	4	5	6	7
75	3	2	3	4	5	6	7
76	3	2	3	4	5	6	7
77	3	2	3	4	5	6	7
78	3	2	3	4	5	6	7
79	3	2	3	4	5	6	7
80	3	2	3	4	5	6	7
81	3	2	3	4	5	6	7
82	3	2	3	4	5	6	7
83	3	2	3	4	5	6	7
84	3	2	3	4	5	6	7
85	3	2	3	4	5	6	7
86	3	2	3	4	5	6	7
87	3	2	3	4	5	6	7
88	3	2	3	4	5	6	7
89	3	2	3	4	5	6	7
90	3	2	3	4	5	6	7
91	3	2	3	4	5	6	7
92	3	2	3	4	5	6	7
93	3	2	3	4	5	6	7
94	3	2	3	4	5	6	7
95	3	2	3	4	5	6	7
96	3	2	3	4	5	6	7
97	3	2	3	4	5	6	7
98	3	2	3	4	5	6	7
99	3	2	3	4	5	6	7
100	3	2	3	4	5	6	7



SUBSTANCE		SUMMARY													EPA											
CAZ-NP	no. of animals	AS	Persistence (YES/NO/?, days)													EPA										
EU and GHS	EU (YES/NO/?, days)	GHS	Persistence (YES/NO/?, days)													EPA										
EU and GHS	EU (YES/NO/?, days)	GHS	Persistence (YES/NO/?, days)													EPA										
EU and GHS	EU (YES/NO/?, days)	GHS	Persistence (YES/NO/?, days)													EPA										
Animal 1	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)
Animal 2	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)
Animal 3	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)
Animal 4	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)
Animal 5	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)
Animal 6	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)
Animal 7	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score	reversible (EU/GHS)	reversible (EPA)

Substance	Sodium lauryl sulphate 30%						SUMMARY						EPA																		
	CAH-NP	No. of animals	AS	Date entry	AS	172-04	Persistence (YES/NO/?, days)						NO																		
Formulation	1	2	3	4	5	6	mean/median	RO5	RO4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Formulation	1	2	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Formulation	1	2	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Formulation	1	2	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Formulation	1	2	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Formulation	1	2	3	4	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reversible effects at dG1 (No = 0, Yes = 1, unknown = ?)	EPA: 0						EU and GHS full reversibility after ... days: 7						GHS																		
Notes:																															
Animal 2	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 7						GHS												
Animal 2	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 7						GHS												
Animal 3	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 14						GHS												
Animal 3	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 14						GHS												
Animal 4	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 14						GHS												
Animal 4	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 14						GHS												
Animal 5	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 14						GHS												
Animal 5	hour	1	2	3	4	5	EPA: 0						EU and GHS full reversibility after ... days: 14						GHS												

max. cornea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
max. iris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
max. choroid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

reversible (EUGHS)	7
reversible (EPA)	0

1 corre.  
FALSE

Form X (00.10%)	
Substance	AS
CAS-Nr	172-50
Formulation	
Formulation	
Quality check	
Concentration	
Formulation	
Substance source	
Classification	
EU	
R4H category 1	
R4H category 2	

SUMMARY	
Persistence (YES/NO/?, days)	
EU	YES
main median: R05 Rd1	
EU	2.44
cones of 47	
EU	1.33
max. IR	
EU	2.00
max. IR	
EU	2.00
max. IR	
EU	2.00
max. IR	
EU	2.00

GHS		NO		NO	
PERSISTENCE (YES/NO/?, days)		14		14	
main median: R05 Rd1		2.44		2.44	
cones of 47		1.33		1.33	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	

EPA		EPA		EPA	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	
max. IR		2.00		2.00	

EU and GHS		EU and GHS		EU and GHS	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	

Animal 3		Animal 3		Animal 3	
Area involved		Area involved		Area involved	
Concomitant Reactions		Concomitant Reactions		Concomitant Reactions	
Discharge		Discharge		Discharge	
EU and GHS		EU and GHS		EU and GHS	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	

Animal 4		Animal 4		Animal 4	
Area involved		Area involved		Area involved	
Concomitant Reactions		Concomitant Reactions		Concomitant Reactions	
Discharge		Discharge		Discharge	
EU and GHS		EU and GHS		EU and GHS	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	

Animal 5		Animal 5		Animal 5	
Area involved		Area involved		Area involved	
Concomitant Reactions		Concomitant Reactions		Concomitant Reactions	
Discharge		Discharge		Discharge	
EU and GHS		EU and GHS		EU and GHS	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	

Animal 6		Animal 6		Animal 6	
Area involved		Area involved		Area involved	
Concomitant Reactions		Concomitant Reactions		Concomitant Reactions	
Discharge		Discharge		Discharge	
EU and GHS		EU and GHS		EU and GHS	
EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14		EU and GHS full reversibility after ... day 14	

Cytosensor BRD-Final Report  
Contract No.:CCR.IHCP.C431305.X0

Substance	CAS-Nr	Benzalkonium chloride 5%	No. of animals	AS	Data entry	AS	Date	Quality check	EU	GHS	EPA	max. score	Reversible	EPA	SUMMARY								
															Persistence (YES/NO/?, days)	mean (median, range)							
EU	R4H	category 1	category 2	category 3	category 4	category 5	category 6	category 7	category 8	category 9	category 10	category 11	category 12	category 13	category 14	category 15							
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):																							
Notes:																							
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):																							
Notes:																							
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):																							
Notes:																							
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):																							
Notes:																							
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):																							
Notes:																							

Reversible	EU (GHS)	EPA
3	2.67	3
2	1.67	2
1	0.67	1
0	0	0

Reversible	EPA
3	3
2	2
1	1
0	0

Substance	Bioactive compound (bioactive 10%)	no. of animals	AS
CVS-NP	3	4	AS
Formulation	3	4	12/04
Quality check			
Concentration			
Substrate source			
AMAS (RECYCLED)			

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU	YES	GHS	YES	EPA	YES
Persistence (YES/NO/?, days)					
Cornea Opacity	mean/median/ RO5/R41	3.67	1	3.67	1
Eye Irritation/Cornea Redness	3.07	1	2.00	1	2.00
Chemicals	4.00	1	4.00	1	4.00

EU/GHS	reversible	irreversible
>21	1	1
>21	1	1
>21	1	1
>21	1	1
>21	1	1
>21	1	1

1 IPI
1 IPI
#D(W)0
#D(W)0
#D(W)0
#D(W)0
#D(W)0
FALSE



Substance	Chemical name	EU	NO	GH	NO	EPA	NO
Animal 1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6

Substance	Chemical name	EU	NO	GH	NO	EPA	NO
Animal 1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6

Substance	Chemical name	EU	NO	GH	NO	EPA	NO
Animal 1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6

Substance	Chemical name	EU	NO	GH	NO	EPA	NO
Animal 1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6

Substance	Chemical name	EU	NO	GH	NO	EPA	NO
Animal 1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6

Substance	Chemical name	EU	NO	GH	NO	EPA	NO
Animal 1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6

SUBSTANCE		SUMMARY		EU		GHS		EPA		NO	
Chemical name	Substance ID	Persistence (YES/NO/?, days)	mean/median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes
Chemical name	Substance ID	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name
Animal 1	1	0	0	0	0	0	0	0	0	0	0
Animal 2	2	0	0	0	0	0	0	0	0	0	0
Animal 3	3	0	0	0	0	0	0	0	0	0	0
Animal 4	4	0	0	0	0	0	0	0	0	0	0
Animal 5	5	0	0	0	0	0	0	0	0	0	0
Animal 6	6	0	0	0	0	0	0	0	0	0	0

hour	day	EU and GHS	EPA	EU & GHS full reversibility after ... days	EU & GHS full reversibility after ... days	EU & GHS full reversibility after ... days	EU & GHS full reversibility after ... days
1	1	0	0	0	0	0	0
2	2	0	0	0	0	0	0
3	3	0	0	0	0	0	0
4	4	0	0	0	0	0	0
5	5	0	0	0	0	0	0
6	6	0	0	0	0	0	0
7	7	0	0	0	0	0	0
8	8	0	0	0	0	0	0
9	9	0	0	0	0	0	0
10	10	0	0	0	0	0	0
11	11	0	0	0	0	0	0
12	12	0	0	0	0	0	0
13	13	0	0	0	0	0	0
14	14	0	0	0	0	0	0
15	15	0	0	0	0	0	0
16	16	0	0	0	0	0	0
17	17	0	0	0	0	0	0
18	18	0	0	0	0	0	0
19	19	0	0	0	0	0	0
20	20	0	0	0	0	0	0
21	21	0	0	0	0	0	0

SUBSTANCE		Chemone	3	Date entry	AS
CAS-Nr	172504	172504	172504	Date	172504
Chemical name	Chemone	Chemone	Chemone	Quality check	
Source	Chemone	Chemone	Chemone	Manufacturer	
Concentration	Chemone	Chemone	Chemone	Batch	
Substance source	Chemone	Chemone	Chemone	DMR	
Substance source	Chemone	Chemone	Chemone	DMR	
Identifications: <input type="checkbox"/> not classified <input type="checkbox"/> category 2 <input type="checkbox"/> category 3					

Substance	No. of animals	EU							GHS							EPA																
		Persistence (YES/NO/?, days)							NO							NO																
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iris	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chlorophyll Fluorescence	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Reversible (EU/GHS)	14
Reversible (EPA)	14

#D/W/O	0
#D/W/O	0
#D/W/O	0
#D/W/O	0

Notes:

Notes:

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Notes:

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Notes:

Substance	1: Low Shadow	PERSISTENCE (YES/NO/?) days													GHS		EPA		class				
		no. of animals	UIC	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO		NO	NO		
CAE-MP	3	UIC																					
Animal 1	4	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Corea Opacity	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Business	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Damage	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at D21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS M1 reversibility after ... days 3																				
Animal 2	4	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Corea Opacity	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Business	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Chromosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Damage	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at D21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS M1 reversibility after ... days 7																				
Animal 3	4	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Corea Opacity	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Business	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Damage	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at D21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS M1 reversibility after ... days 7																				
Animal 4	4	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Corea Opacity	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Business	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Damage	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at D21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS M1 reversibility after ... days 3																				
Animal 5	4	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Corea Opacity	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Business	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Damage	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at D21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS M1 reversibility after ... days 3																				
Animal 6	4	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Corea Opacity	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area involved	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
US	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Business	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chromosis	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Damage	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reversible effects at D21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA: 0	EU & GHS M1 reversibility after ... days 3																				

reversible (EU/GHS)	reversible (EPA)
3	0
7	0
3	0
0	0

#DIV/0!  
#DIV/0!  
#DIV/0!  
FALSE

Substance	CAS-Nr	1,2-Miscibility	No. of animals	Date entry	J5	Date	15-Code	SUMMARY														EPA	NO	NO
								Persistence (YES/NO/?, days)		EU		GHS		NO		NO		NO		NO				
Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
Classification	Classification	Classification	Classification	Classification	Classification	Classification	Classification	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
EU	EU	EU	EU	EU	EU	EU	EU	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
GHS	GHS	GHS	GHS	GHS	GHS	GHS	GHS	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	max. median	RO5	R04	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	max. cornes						
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 6	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	

reversible	reversible
(EU/GHS)	(EPA)
3	3

#D/W/O	#D/W/O	#D/W/O	#D/W/O
FALSE	FALSE	FALSE	FALSE

SUBSTANCE		13: Emulsion Antiparasitair		no. of animals		Data entry		J5		EPA		NO																																																																																																					
CAZ-NP	EU	GHIS	NO	NO	Persistence (YES/NO/?, days)	mean/median	R05	R04	percentile	Cat. 1	Cat. 2	Cat. 3	max. cores																																																																																																				
Formulation	EU	GHIS	NO	NO	Cornua Opacity	0.00	0.00	0.00	0.00	0	0	0	max. cores of 4?																																																																																																				
Number of animals	EU	GHIS	NO	NO	les in conjunctiva	0.00	0.00	0.00	0.00	0	0	0	max. # of lesions																																																																																																				
Formulation	EU	GHIS	NO	NO	Chlamydia	0.00	0.00	0.00	0.00	0	0	0	max. chlamydia																																																																																																				
Concentration	EU	GHIS	NO	NO	Reversible effects in dGT	(No = 0; Yes = 1; unknown = ?)	EU and GHIS	EU and GHIS	EU & GHIS full reversibility after ... days	1																																																																																																							
Substance source	EU	GHIS	NO	NO	Reversible effects in dGT	(No = 0; Yes = 1; unknown = ?)	EU and GHIS	EU and GHIS	EU & GHIS full reversibility after ... days	1																																																																																																							
<p>Observations</p> <p>EU: not classified GHIS: no category</p>																																																																																																																	
<b>Animal 2</b>		<table border="1"> <thead> <tr> <th>hour</th> <th>day</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>3</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>4</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Notes:</p> <p>mean score: 0.00 max. score: 0</p> <p>#EUV01: 0 #EUV02: 0 #EUV03: 0 #EUV04: 0 #EUV05: 0</p> <p>Reversible (EUGHS) (EPA): 0</p>												hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18																																																																																														
1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																														
2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																														
3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																														
4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																														
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<b>Animal 6</b>		<table border="1"> <thead> <tr> <th>hour</th> <th>day</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> <th>13</th> <th>14</th> <th>15</th> <th>16</th> <th>17</th> <th>18</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>3</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>4</td> <td>4</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Notes:</p> <p>mean score: 0.00 max. score: 0</p> <p>#EUV01: 0 #EUV02: 0 #EUV03: 0 #EUV04: 0 #EUV05: 0</p> <p>Reversible (EUGHS) (EPA): 0</p>												hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	1	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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SUBSTANCE		14-Gel Chloriner		no. of animals		Data entry		AS		EPA		EU		GHS		NO	
CAS-Nr	EU-CEP	no. of animals	EU-CEP	EU-CEP	AS	EU-CEP	AS	EU-CEP	AS	EPA	EU	NO	GHS	NO	EPA	NO	NO
Substance																	
Classification																	
EPA																	
Animal 1																	
Animal 2																	
Animal 3																	
Animal 4																	
Animal 5																	
Animal 6																	

**SUMMARY**

Persistence (YES/NO/?, days)

Cornea Opacity

Iris

Mucous Membranes

Chlorosis

CHLOROSIS

mean/median/RO5/RO4/RO3/RO2/RO1

0.33/0.00/0.00/0.00/0.00/0.00/0.00

0.67/0.00/0.00/0.00/0.00/0.00/0.00

Cat. 1

Cat. 2

Cat. 3

Cat. 4

Cat. 5

Cat. 6

Cat. 7

max. score	mean	cornea of 4?	max. cornea of 4?
1	1.00	0	0
2	0.00	0	0
3	0.00	0	0
4	0.00	0	0
5	0.00	0	0
6	0.00	0	0
7	0.00	0	0

max. score	mean	cornea of 4?	max. score
1	0.33	0	1
2	0.67	0	2
3	1.00	0	2

Notes:

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):

EU and GHS full reversibility after ... days: 7

Notes:

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):

EU and GHS full reversibility after ... days: 7

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Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):

EU and GHS full reversibility after ... days: 7

Notes:

Reversible effects at dGT (No = 0; Yes = 1; unknown = ?):

EU and GHS full reversibility after ... days: 7

Substance CAS-#P EU and GHS	15 - Hazard No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals No. of animals	EU	GHS	EPA	NO	NO	NO	NO	NO	NO	SUMMARY												
											Category	Category	Category	Category	Category	Category	Category	Category	Category	Category			
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 7	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 8	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 9	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 10	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Substance	EU	GHS	EPA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 6	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 7	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 8	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 9	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 10	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Substance	EU	GHS	EPA	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 6	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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Animal 8	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 9	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 10	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22



SUBSTANCE		30. Shamrock Baby		
CAS-Nr	no. of animals	Day of entry	Age	
15-Cat	3	15-Oct	35	
Species	Strain	Date	Sex	
Males	Female	30	30	
Sex	Strain	Date	Sex	
Males	Female	30	30	
Concentration	Strain	Date	Sex	
Males	Female	30	30	
Substrate source	Strain	Date	Sex	
Males	Female	30	30	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Substance	EU	YES	NO	Remarks
15-Cat	YES	1.33	0	
Males	NO	1.00	1	
Females	NO	2.33	1	

Notes:

Animal 1	Hour	EU	GHS	EU & GHS full reversibility after...	day	18	19	20	21
1	1	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8	9
1	1	3	4	5	6	7	8	9	10
1	1	4	5	6	7	8	9	10	11
1	1	5	6	7	8	9	10	11	12
1	1	6	7	8	9	10	11	12	13
1	1	7	8	9	10	11	12	13	14
1	1	8	9	10	11	12	13	14	15
1	1	9	10	11	12	13	14	15	16
1	1	10	11	12	13	14	15	16	17
1	1	11	12	13	14	15	16	17	18

Notes:

Animal 2	Hour	EU	GHS	EU & GHS full reversibility after...	day	18	19	20	21
1	1	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8	9
1	1	3	4	5	6	7	8	9	10
1	1	4	5	6	7	8	9	10	11
1	1	5	6	7	8	9	10	11	12
1	1	6	7	8	9	10	11	12	13
1	1	7	8	9	10	11	12	13	14
1	1	8	9	10	11	12	13	14	15
1	1	9	10	11	12	13	14	15	16
1	1	10	11	12	13	14	15	16	17
1	1	11	12	13	14	15	16	17	18

Notes:

Animal 3	Hour	EU	GHS	EU & GHS full reversibility after...	day	18	19	20	21
1	1	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8	9
1	1	3	4	5	6	7	8	9	10
1	1	4	5	6	7	8	9	10	11
1	1	5	6	7	8	9	10	11	12
1	1	6	7	8	9	10	11	12	13
1	1	7	8	9	10	11	12	13	14
1	1	8	9	10	11	12	13	14	15
1	1	9	10	11	12	13	14	15	16
1	1	10	11	12	13	14	15	16	17
1	1	11	12	13	14	15	16	17	18

Notes:

Animal 4	Hour	EU	GHS	EU & GHS full reversibility after...	day	18	19	20	21
1	1	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8	9
1	1	3	4	5	6	7	8	9	10
1	1	4	5	6	7	8	9	10	11
1	1	5	6	7	8	9	10	11	12
1	1	6	7	8	9	10	11	12	13
1	1	7	8	9	10	11	12	13	14
1	1	8	9	10	11	12	13	14	15
1	1	9	10	11	12	13	14	15	16
1	1	10	11	12	13	14	15	16	17
1	1	11	12	13	14	15	16	17	18

Notes:

Animal 5	Hour	EU	GHS	EU & GHS full reversibility after...	day	18	19	20	21
1	1	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8	9
1	1	3	4	5	6	7	8	9	10
1	1	4	5	6	7	8	9	10	11
1	1	5	6	7	8	9	10	11	12
1	1	6	7	8	9	10	11	12	13
1	1	7	8	9	10	11	12	13	14
1	1	8	9	10	11	12	13	14	15
1	1	9	10	11	12	13	14	15	16
1	1	10	11	12	13	14	15	16	17
1	1	11	12	13	14	15	16	17	18





SUBSTANCE		3S-Liquid Sord No.1	
CAS-NO		No. of animals	5
EU/US registration		Date entry	15-Oct
Chemical name		Date	
Chemical structure		Quality check	
Concentration		Animal No.	
Substance source		Animal	
		DMR	
		DMR	
		DMR	
		DMR	
Identifications			
EU/US registration			
Category 1			
Category 2			

SUMMARY		GH5		EPA		GH5		EPA	
Persistence (YES/NO/?, days)		YES		14		YES		YES	
Cornea Opacity		mean/median	R05	R04	percentage	Cat 1	Cat 2	Cat 1	cornea of 4?
Eye Irritation/Redness		1.33	0	0	1.33	0	0	0	max. cornea
Chemosis		0.33	0	0	0.33	0	0	0	max. iris
Discharge		2.00	1	1	2.00	0	0	0	max. epithelium
									max. chemosis

Animal	hour	EU and GHS	EPA	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 1	1																								
Cornea Opacity																									
Eye Irritation/Redness																									
Chemosis																									
Discharge																									

Animal 2	1																								
Cornea Opacity																									
Eye Irritation/Redness																									
Chemosis																									
Discharge																									

Animal 3	1																								
Cornea Opacity																									
Eye Irritation/Redness																									
Chemosis																									
Discharge																									

Animal 4	1																								
Cornea Opacity																									
Eye Irritation/Redness																									
Chemosis																									
Discharge																									

Animal 5	1																								
Cornea Opacity																									
Eye Irritation/Redness																									
Chemosis																									
Discharge																									

Animal 6	1																								
Cornea Opacity																									
Eye Irritation/Redness																									
Chemosis																									
Discharge																									

reversible (EU/GHS)																									
reversible (EPA)																									

reversible (EU/GHS)																									
reversible (EPA)																									

Substance	40-Substance Authorisation	no. of animals	date entry	55
CAN-NT		3	Dato	15 Oct
Formulation				
Quality check				
Concentration				
Substance source				
AMAS (EC/ETOC)				

EU	R41	R41
category 1	category 1	category 1

SUMMARY	EU	GH5	YES	YES	EPA	YES	YES
Persistence (YES/NO/?, days)				14			
Cornea Opacity	mean/median/ R05 R41	percentage	Cat 1	cornea of 4?	max. cornea	day 7-20	day 21
les in conjunctiva	1.00 0 0	1.00	0	0	0	2	1
Chlorosis	0.97 0 0	0.97	0	0	0	1	0
Discharge	1.33 0 0	1.33	0	0	0	2	0

mean	cornea of 4?	max. score
0.87	0	1
0.87	0	1
2.00	0	2
1.33	0	2

reversible	irreversible
(EU/GHS)	(EPA)
14	0
>21	1

reversible	irreversible
(EU/GHS)	(EPA)
1	0
1 RT	0
#D(W)0	0
#D(W)0	0
#D(W)0	0

mean	cornea of 4?	max. score
1.00	0	2
0.86	0	2
2.00	0	2
1.33	0	3

reversible	irreversible
(EU/GHS)	(EPA)
1.00	0
0.87	0
2.33	0
2.00	0

Notes:
20 21

Notes:
18 19

hour	day	EU & GHS full reversibility after ... day(s)
1	1	4
1	2	4
1	3	4
1	4	4
1	5	4
1	6	4
1	7	4
1	8	4
1	9	4
1	10	4
1	11	4
1	12	4
1	13	4
1	14	4
1	15	4
1	16	4
1	17	4
1	18	4
1	19	4
1	20	4
1	21	4

Notes:
20 21

Animal 2	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 2	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 3	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 3	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 4	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 4	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 5	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 5	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 6	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)

Animal 6	
Cornea Opacity	1
les in conjunctiva	1
Chlorosis	1
Discharge	1
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU and GHS
Irreversible effects at GDT (No = 0; Yes = 1; unknown = ?)	EU & GHS full reversibility after ... day(s)



SUBSTANCE		42- hydrocortisone, compound	
CAS-Nr	no. of animals	Date entry	45
		Date	15 Oct
Formulation	Application	Quality check	
Concentration	Amount	Batch	
Storage	MSAS (ELECTED)	MSAS (ELECTED)	
Storage source			
Identifications			
EU	not classified		
GHS	no category		
EPA	no category		

Substance	EU	SUMMARY Persistence (YES/NO/?, days)							GHS	NO	EPA	NO		
		EU		GHS		EPA		max. comae of 47					max. comae of 47	max. comae of 47
		mean/median	RO5	RO1	RO5	RO1	RO5							
		0.33	0	0.33	0	0.33	0	0.33	0	0.33	0			
		0.00	0	0.00	0	0.00	0	0.00	0	0.00	0			
		0.67	0	0.67	0	0.67	0	0.67	0	0.67	0			

hour	EU	GHS	NO	EPA	NO
4	1	2	3	4	5
5	1	2	3	4	5
6	1	2	3	4	5
7	1	2	3	4	5
8	1	2	3	4	5
9	1	2	3	4	5
10	1	2	3	4	5
11	1	2	3	4	5
12	1	2	3	4	5
13	1	2	3	4	5
14	1	2	3	4	5
15	1	2	3	4	5
16	1	2	3	4	5
17	1	2	3	4	5
18	1	2	3	4	5
19	1	2	3	4	5
20	1	2	3	4	5
21	1	2	3	4	5

Animal	hour	EU	GHS	NO	EPA	NO
Animal 1	4	1	2	3	4	5
Animal 2	4	1	2	3	4	5
Animal 3	4	1	2	3	4	5
Animal 4	4	1	2	3	4	5
Animal 5	4	1	2	3	4	5

Animal	hour	EU	GHS	NO	EPA	NO
Animal 1	4	1	2	3	4	5
Animal 2	4	1	2	3	4	5
Animal 3	4	1	2	3	4	5
Animal 4	4	1	2	3	4	5
Animal 5	4	1	2	3	4	5

reversible	irreversible
EU(GHS)	EPA
3	7
3	3

#D/W/O/	#D/W/O/
#D/W/O/	#D/W/O/
FALSE	FALSE









SUBSTANCE		4d-14d Condition		EU		GHS		EPA															
CAH-NP	no. of animals	Date entry	15-Clot	NO	NO	NO	NO	NO	NO														
EU	15-Clot	Date	15-Clot	mean/median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 4?	max. score												
Species	Sex	Quantity	Check	0.00	0.00	0.00	0.00	0	0	0	0												
Concentration	Amount	Date	Check	0.00	0.00	0.00	0.00	0	0	0	0												
Substance source	WMS (ECETOC)	Date	Check	0.00	0.00	0.00	0.00	0	0	0	0												
Identifications	EU	not classified	no category																				
EU	CAH-NP	CAH-NP	CAH-NP																				
EU	CAH-NP	CAH-NP	CAH-NP																				
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Substance	CAS-Nr	Molecular weight	Molecular formula	No. of animals	J5	Date entry	J5-Code	SUMMARY														EPA	NO
								Persistence (YES/NO/?, days)		EU		GHS		NO		EU		NO		EPA			
Chemical name	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47	max. conc. of 47					
Animal 1	1	1	1	1	1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 2	2	2	2	2	2	2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 3	3	3	3	3	3	3	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 4	4	4	4	4	4	4	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 5	5	5	5	5	5	5	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					

Substance	EU	GHS	NO	max. score	reversible	irreversible
Animal 1	0	0	0	0	0	0
Animal 2	0	0	0	0	0	0
Animal 3	0	0	0	0	0	0
Animal 4	0	0	0	0	0	0
Animal 5	0	0	0	0	0	0

Substance	43- Showed Gel	No. of animals	Day entry	J5	EU	NO	GHS	NO	EPA	NO
CAH-NP	3	3	3	3	3	3	3	3	3	3
Formulation	3	3	3	3	3	3	3	3	3	3
Area Involved	3	3	3	3	3	3	3	3	3	3
Species	3	3	3	3	3	3	3	3	3	3
Sex	3	3	3	3	3	3	3	3	3	3
Concomitant Treatments	3	3	3	3	3	3	3	3	3	3
Observations	3	3	3	3	3	3	3	3	3	3
Significance	3	3	3	3	3	3	3	3	3	3
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	3	3	3	3	3	3	3	3	3	3
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										
Animal 1	hour	1	1	1	1	1	1	1	1	1
Cornea Opacity	4	4	4	4	4	4	4	4	4	4
Area Involved	3	3	3	3	3	3	3	3	3	3
Sex	1	1	1	1	1	1	1	1	1	1
Concomitant Treatments	1	1	1	1	1	1	1	1	1	1
Observations	1	1	1	1	1	1	1	1	1	1
Discharge	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	0	0	0	0	0	0	0	0	0	0
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										
Animal 2	hour	1	1	1	1	1	1	1	1	1
Cornea Opacity	4	4	4	4	4	4	4	4	4	4
Area Involved	3	3	3	3	3	3	3	3	3	3
Sex	1	1	1	1	1	1	1	1	1	1
Concomitant Treatments	1	1	1	1	1	1	1	1	1	1
Observations	1	1	1	1	1	1	1	1	1	1
Discharge	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	0	0	0	0	0	0	0	0	0	0
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										
Animal 3	hour	1	1	1	1	1	1	1	1	1
Cornea Opacity	4	4	4	4	4	4	4	4	4	4
Area Involved	3	3	3	3	3	3	3	3	3	3
Sex	1	1	1	1	1	1	1	1	1	1
Concomitant Treatments	1	1	1	1	1	1	1	1	1	1
Observations	1	1	1	1	1	1	1	1	1	1
Discharge	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	0	0	0	0	0	0	0	0	0	0
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										
Animal 4	hour	1	1	1	1	1	1	1	1	1
Cornea Opacity	4	4	4	4	4	4	4	4	4	4
Area Involved	3	3	3	3	3	3	3	3	3	3
Sex	1	1	1	1	1	1	1	1	1	1
Concomitant Treatments	1	1	1	1	1	1	1	1	1	1
Observations	1	1	1	1	1	1	1	1	1	1
Discharge	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	0	0	0	0	0	0	0	0	0	0
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										
Animal 5	hour	1	1	1	1	1	1	1	1	1
Cornea Opacity	4	4	4	4	4	4	4	4	4	4
Area Involved	3	3	3	3	3	3	3	3	3	3
Sex	1	1	1	1	1	1	1	1	1	1
Concomitant Treatments	1	1	1	1	1	1	1	1	1	1
Observations	1	1	1	1	1	1	1	1	1	1
Discharge	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	0	0	0	0	0	0	0	0	0	0
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										
Animal 6	hour	1	1	1	1	1	1	1	1	1
Cornea Opacity	4	4	4	4	4	4	4	4	4	4
Area Involved	3	3	3	3	3	3	3	3	3	3
Sex	1	1	1	1	1	1	1	1	1	1
Concomitant Treatments	1	1	1	1	1	1	1	1	1	1
Observations	1	1	1	1	1	1	1	1	1	1
Discharge	2	2	2	2	2	2	2	2	2	2
Reversible effects at dGT (No = 0; Yes = 1; unknown = 7)	0	0	0	0	0	0	0	0	0	0
EU and GHS	EPA-D	0	0	0	0	0	0	0	0	0
EU & GHS full reversibility after ... day(s)	21	21	21	21	21	21	21	21	21	21
Notes:										

reversible	reversible
(EU/GHS)	(EPA)
21	0
14	0
7	0
3	0

#D/W/O	
#D/W/O	
#D/W/O	
#D/W/O	
#D/W/O	
#D/W/O	
FALSE	



Substance	CAS-Nr	EC-No. (GHS base)	Formulation No. 2	SUMMARY												EPA	NO
				no. of animals	Date entry	JS	Persistence (YES/NO/?, days)										
Chemical name	EU	NO	NO	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Animal 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Animal 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Animal 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Animal 6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	

Substance	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Animal 6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

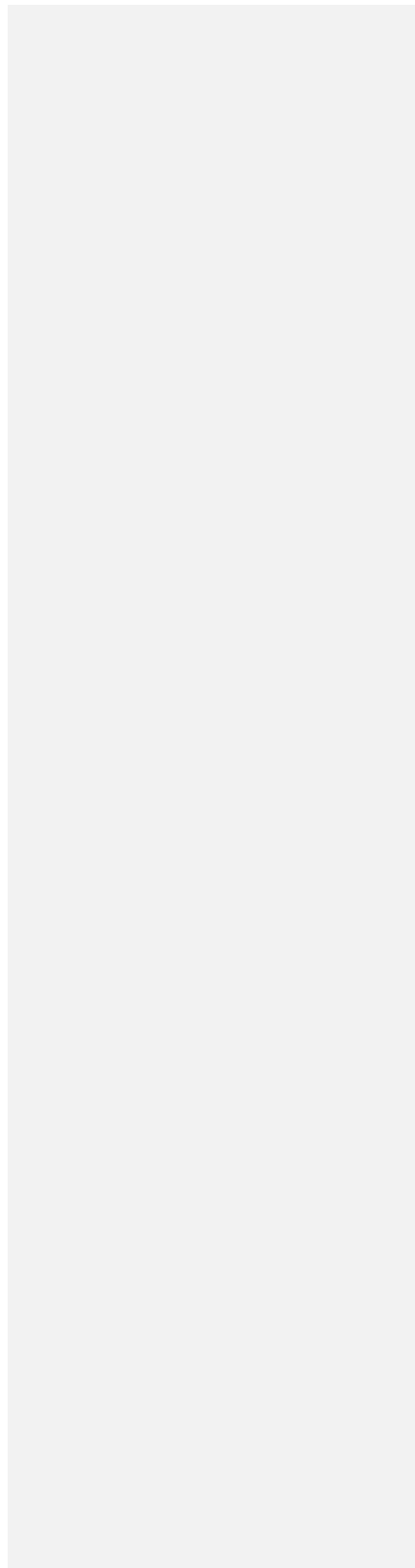
Substance	CAS-Nr	15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000	SUMMARY		EU		GHS		EPA		NO												
			Persistence (YES/NO/?, days)		max. cornea of 47		max. cornea of 47		max. cornea of 47		max. cornea of 47		max. cornea of 47										
Animal 1	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 2	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 3	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 4	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 5	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score
Animal 6	hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	max. score



The final 4 test materials for COLIPA were severe materials and did not need to be entered into a template to determine their classifications of R41, 1, and 1.

Chem #/Name	Animal	1h	d 1	d 2	d 3	d 4	d 7	d 10	d 14	d 21	d 35
52. Cetylpyridinium bromide 5%	b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f
1.	2	4	2	4	3	4	2	2	4	3	4
2.	2	4	2	4	2	4	2	2	4	2	4
3.	3	4	2	4	3	4	2	2	4	2	4
4.	2	4	2	4	2	4	2	2	4	2	4
Mean	###	###	###	###	###	###	###	###	###	###	###
SD	###	###	###	###	###	###	###	###	###	###	###
53. Cetylpyridinium brom %	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f
1.	3	4	2	4	3	4	2	2	4	3	4
2.	3	4	2	4	3	4	2	2	4	3	4
3.	2	4	2	4	3	4	2	2	4	3	4
4.	3	4	2	4	3	4	2	2	4	3	4
5.	3	4	2	4	3	4	2	2	4	3	4
6.	3	4	2	4	3	4	2	2	4	3	4
Mean	###	###	###	###	###	###	###	###	###	###	###
SD	###	###	###	###	###	###	###	###	###	###	###
54. Sodium hydroxide 0%	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f
1.	4	4	2	3	3	4	2	3	3	4	2
55. Trichloroacetic acid 30%	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f	a b c d e f
1.	4	4	2	3	3	4	2	3	3	4	2
0	A=Clarity, B=Area, C=Iris, D=Release, E=Chemiss, F=Irritation										

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## COLIPA Draize Animal Data

Chem Name	Animal	1h	2h	4h	1d	2d	3d	4d	7d	10d	14d	21d	28d	35d
651103_chemname_02.21art.02.05_020303_Ethanol_C01s_D180000s_E-Chemicals_F030000s All data set in the same color														
1 Ethanol	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2 Eye liner	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3 Perfumed skin lotion	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4 Paraffinum solum	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5 Shampoo no. 1 - normal	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6 Skin care cream for women	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7 Hand cleaner	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8 Hair care foam formula no. 1	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9 Hair-RAM conditioner	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 Indocarbonyl	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 Polyethylene glycol 200	OP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

No	Variable	Peningkatan skor																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
12	Pengertian short	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Tingkat X-100%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Sympati	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Tingkat 20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Evaluasi	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Sistem hukum	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Sistem hukuman	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Sistem	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Tingkat X-100%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Tingkat X-100%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Tingkat X-100%	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

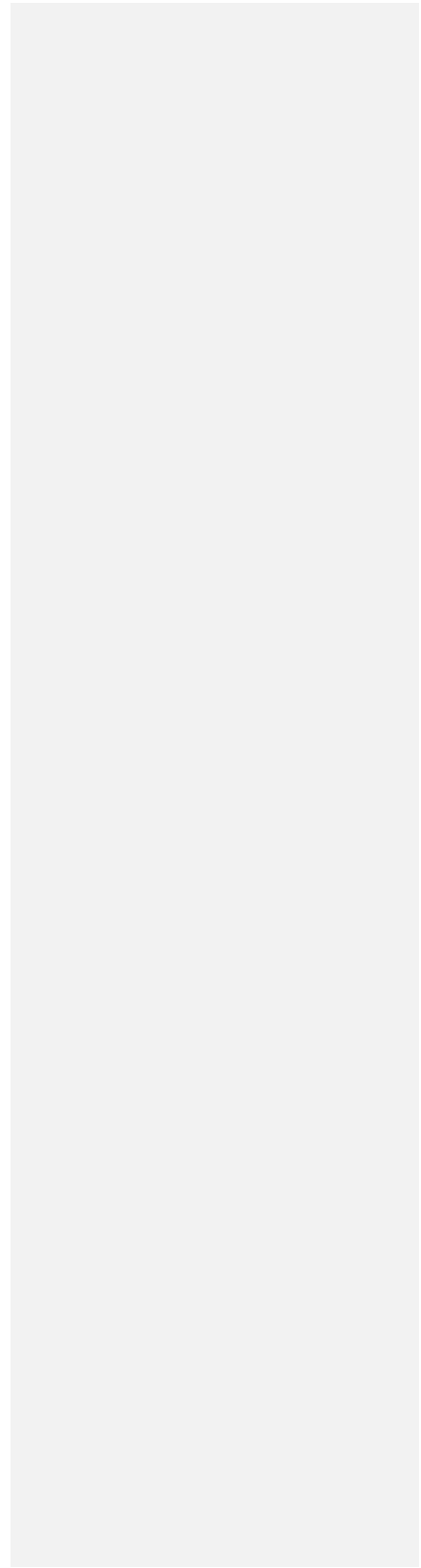
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Item No.	Description	Material Breakdown																										
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
31	EYE ANCHORS																											
	Mean	0.02	0.00	0.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	MASONRY																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	EMULSION ASPHALT																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	COR CONCRETE																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	PAVED SWEEP																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	SHIMAZOO - 2x1x1																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	SURFACING SP-15																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	PAVED SWEEP																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	LANDSCAPE SOIL																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	SHIMAZOO - 2x1x1																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	SHIMAZOO - 2x1x1																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	HYDROPHILIC ENHANCER																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	SHIMAZOO																											
	Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

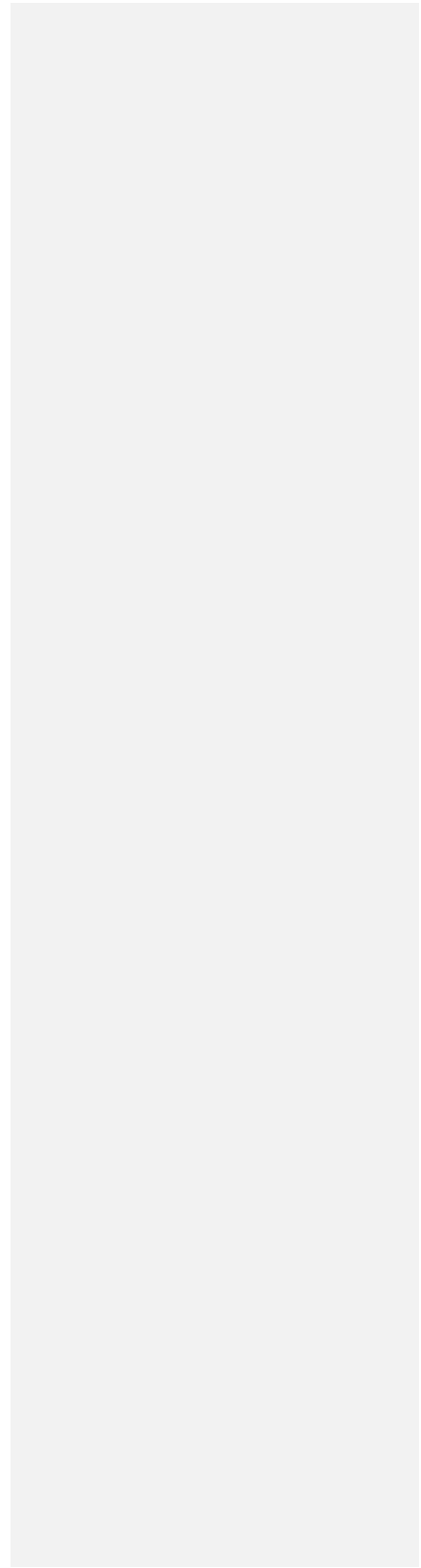




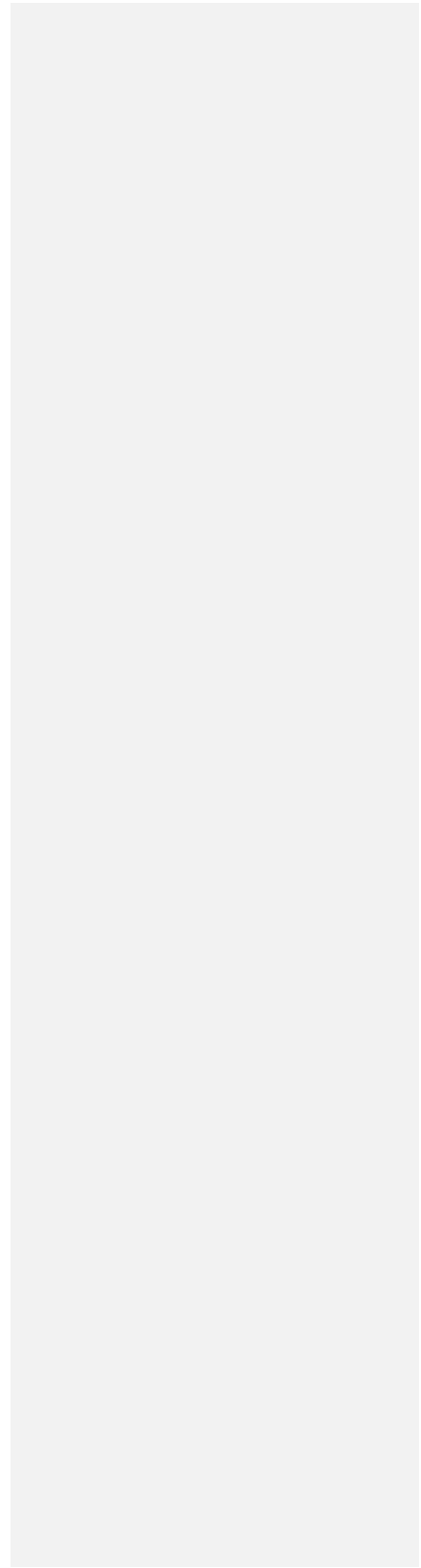
**ANNEX K**  
**(Company # 1 Animal Data)**



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**Company # 1 Animal Data  
Hazard Classification Spreadsheets**



Substance	CAS-No	No. of animals	Date of arrival	AS	Date of entry	AS	SUMMARY														EPA	NO	NO
							Persistence (YES/NO/?, days)		EU		GHS		NO		NO		NO		NO				
Chemical name	EC-No	EC-No	EC-No	EC-No	EC-No	EC-No	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk	max. in milk					
Animal 1	1	1	1	1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 2	1	1	1	1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 3	1	1	1	1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 4	1	1	1	1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Animal 5	1	1	1	1	1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					

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Substance source	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Classification	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS full reversibility after...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Use	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Substance source	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Classification	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS full reversibility after...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Use	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Substance source	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Classification	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS full reversibility after...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Use	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Substance source	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Classification	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS full reversibility after...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cornea opacity	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Area involved	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Use	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Substance source	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Classification	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EU and GHS full reversibility after...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1











SUBSTANCE		CLASSIFICATION		SUMMARY		EU		GHS		EPA		NO	
CAUSE	NO. OF ANIMALS INVOLVED	DATE OF ENTRY INTO FORCE	DATE OF ENTRY INTO FORCE	PERMANENCE (YES/NO/?, days)	MEAN (SD)	NO	NO	NO	NO	NO	NO	NO	NO
Substance name	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chemical class	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Formulation	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentration	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substance source	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Classification	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU and GHS	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPA	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 1	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 2	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 3	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 4	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 5	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SUBSTANCE		CLASSIFICATION		SUMMARY		EU		GHS		EPA		NO	
CAUSE	NO. OF ANIMALS INVOLVED	DATE OF ENTRY INTO FORCE	DATE OF ENTRY INTO FORCE	PERMANENCE (YES/NO/?, days)	MEAN (SD)	NO	NO	NO	NO	NO	NO	NO	NO
Substance name	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chemical class	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Formulation	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Concentration	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Substance source	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Classification	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU and GHS	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EPA	3	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 1	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 2	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 3	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 4	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Animal 5	1	1/1/2017	1/1/2017	20	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<b>Substance</b>	1009	<b>no. of animals</b>	6	<b>Date entry</b>	AS
<b>CAZ-NP</b>	1009	<b>initial duration</b>	AS	<b>Date</b>	11-07-21
<b>Formulation</b>		<b>Quality check</b>		<b>EU</b>	
<b>Suspension</b>		<b>EU</b>		<b>GHS</b>	
<b>Concentration</b>	0.01	<b>EU and GHS</b>		<b>mean (median, IQR, IQR)</b>	
<b>Formulation</b>		<b>EU and GHS</b>		<b>Contra IuR</b>	
<b>Suspension</b>		<b>EU and GHS</b>		<b>Contra IuR</b>	
<b>Substance source</b>		<b>EU and GHS</b>		<b>Contra IuR</b>	

9 rabbit study first six were entered

EU and GHS

EU and GHS

EU and GHS

EU and GHS

<b>SUMMARY</b>	7	NO	NO	NO	NO	NO
<b>Persistence (YES/NO? 7 days)</b>	7	NO	NO	NO	NO	NO
<b>Cornea Opacity</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Iris at Luchis Rebreas</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Chlamydia</b>	0.33	0.33	0.33	0.33	0.33	0.33
<b>Contra IuR</b>	0	0	0	0	0	0
<b>Contra IuR</b>	0	0	0	0	0	0
<b>Contra IuR</b>	0	0	0	0	0	0
<b>Contra IuR</b>	0	0	0	0	0	0
<b>Contra IuR</b>	0	0	0	0	0	0
<b>Contra IuR</b>	0	0	0	0	0	0

<b>mean</b>	1.00
<b>max. score</b>	1
<b>Cornea Opacity</b>	0.00
<b>Iris at Luchis Rebreas</b>	0.00
<b>Chlamydia</b>	0.33
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0

<b>mean</b>	0.00
<b>max. score</b>	0
<b>Cornea Opacity</b>	0.00
<b>Iris at Luchis Rebreas</b>	0.00
<b>Chlamydia</b>	0.00
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0
<b>Contra IuR</b>	0

Notes:

max. score

20 21

Notes:

max. score

20 21

Notes:

max. score

20 21

Notes:

max. score

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Notes:

max. score

20 21

Notes:

max. score

20 21



SUBSTANCE		1011		no. of animals		Data entry		AS	
CAS-Nr		1011		no. of animals		Date		RECORD	
IUPAC name		1011		Date		Quality check			
Synonyms		1011		Date		Date			
Concentration		0.01		Date		Date			
Substance source		MANS (ELECTROL)		Date		Date			
Classifications		R41		EU & GHS full reversibility after ... days		EU & GHS full reversibility after ... days			
EPA		category 1		EU & GHS full reversibility after ... days		EU & GHS full reversibility after ... days			
Animal 1	hour	1	1	1	1	1	1	1	1
Animal 2	hour	1	1	1	1	1	1	1	1
Animal 3	hour	1	1	1	1	1	1	1	1
Animal 4	hour	1	1	1	1	1	1	1	1
Animal 5	hour	1	1	1	1	1	1	1	1

SUMMARY	EU		GHS		EPA		YES		
	Persistence (YES/NO/?, days)		mean/median, R05, R04, R06, R07, R08, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21		Cat. 1, Cat. 2, Cat. 3, Cat. 4, Cat. 5, Cat. 6, Cat. 7, Cat. 8, Cat. 9, Cat. 10, Cat. 11, Cat. 12, Cat. 13, Cat. 14, Cat. 15, Cat. 16, Cat. 17, Cat. 18, Cat. 19, Cat. 20, Cat. 21		max. score		
Cornea Opacity		0.00		0.00		0.00		0.00	
Iris		0.00		0.00		0.00		0.00	
Lens		0.00		0.00		0.00		0.00	
Chromophyll		0.00		0.00		0.00		0.00	
Discharge		0.00		0.00		0.00		0.00	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	

SUMMARY	EU		GHS		EPA		YES		
	Persistence (YES/NO/?, days)		mean/median, R05, R04, R06, R07, R08, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21		Cat. 1, Cat. 2, Cat. 3, Cat. 4, Cat. 5, Cat. 6, Cat. 7, Cat. 8, Cat. 9, Cat. 10, Cat. 11, Cat. 12, Cat. 13, Cat. 14, Cat. 15, Cat. 16, Cat. 17, Cat. 18, Cat. 19, Cat. 20, Cat. 21		max. score		
Cornea Opacity		0.00		0.00		0.00		0.00	
Iris		0.00		0.00		0.00		0.00	
Lens		0.00		0.00		0.00		0.00	
Chromophyll		0.00		0.00		0.00		0.00	
Discharge		0.00		0.00		0.00		0.00	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	

SUMMARY	EU		GHS		EPA		YES		
	Persistence (YES/NO/?, days)		mean/median, R05, R04, R06, R07, R08, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21		Cat. 1, Cat. 2, Cat. 3, Cat. 4, Cat. 5, Cat. 6, Cat. 7, Cat. 8, Cat. 9, Cat. 10, Cat. 11, Cat. 12, Cat. 13, Cat. 14, Cat. 15, Cat. 16, Cat. 17, Cat. 18, Cat. 19, Cat. 20, Cat. 21		max. score		
Cornea Opacity		0.00		0.00		0.00		0.00	
Iris		0.00		0.00		0.00		0.00	
Lens		0.00		0.00		0.00		0.00	
Chromophyll		0.00		0.00		0.00		0.00	
Discharge		0.00		0.00		0.00		0.00	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	

SUMMARY	EU		GHS		EPA		YES		
	Persistence (YES/NO/?, days)		mean/median, R05, R04, R06, R07, R08, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21		Cat. 1, Cat. 2, Cat. 3, Cat. 4, Cat. 5, Cat. 6, Cat. 7, Cat. 8, Cat. 9, Cat. 10, Cat. 11, Cat. 12, Cat. 13, Cat. 14, Cat. 15, Cat. 16, Cat. 17, Cat. 18, Cat. 19, Cat. 20, Cat. 21		max. score		
Cornea Opacity		0.00		0.00		0.00		0.00	
Iris		0.00		0.00		0.00		0.00	
Lens		0.00		0.00		0.00		0.00	
Chromophyll		0.00		0.00		0.00		0.00	
Discharge		0.00		0.00		0.00		0.00	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	

SUMMARY	EU		GHS		EPA		YES		
	Persistence (YES/NO/?, days)		mean/median, R05, R04, R06, R07, R08, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21		Cat. 1, Cat. 2, Cat. 3, Cat. 4, Cat. 5, Cat. 6, Cat. 7, Cat. 8, Cat. 9, Cat. 10, Cat. 11, Cat. 12, Cat. 13, Cat. 14, Cat. 15, Cat. 16, Cat. 17, Cat. 18, Cat. 19, Cat. 20, Cat. 21		max. score		
Cornea Opacity		0.00		0.00		0.00		0.00	
Iris		0.00		0.00		0.00		0.00	
Lens		0.00		0.00		0.00		0.00	
Chromophyll		0.00		0.00		0.00		0.00	
Discharge		0.00		0.00		0.00		0.00	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	
Reversible effects at GDT (No = 0; Yes = 1; unknown = ?)		0		0		0		0	









Substance	CAS-Nr	Toxic	No. of animals	Data entry	AS	Persistence (YES/NO/?, days)	EU		GHS		EPA		max. cornea of 4?	max. cornea of 4? cat 1	max. cornea of 4? cat 2	max. cornea of 4? cat 3	max. cornea of 4? cat 4	max. cornea of 4? cat 5						
							NO	NO	NO	NO	NO	NO							NO	NO				
Animal 1	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Substance	EU	GHS	EPA	max. score
Animal 1	0.00	0.00	0.00	0.00
Animal 2	0.00	0.00	0.00	0.00
Animal 3	0.00	0.00	0.00	0.00
Animal 4	0.00	0.00	0.00	0.00
Animal 5	0.00	0.00	0.00	0.00

Substance	EU	GHS	EPA	max. score
Animal 1	0.00	0.00	0.00	0.00
Animal 2	0.00	0.00	0.00	0.00
Animal 3	0.00	0.00	0.00	0.00
Animal 4	0.00	0.00	0.00	0.00
Animal 5	0.00	0.00	0.00	0.00

Substance	EU	GHS	EPA	max. score
Animal 1	0.00	0.00	0.00	0.00
Animal 2	0.00	0.00	0.00	0.00
Animal 3	0.00	0.00	0.00	0.00
Animal 4	0.00	0.00	0.00	0.00
Animal 5	0.00	0.00	0.00	0.00

SUBSTANCE			SUMMARY			EU		GHS		EPA		NO													
1016	1016	3	Persistence (YES/NO/?, days)			mean/median		R05 R04 1		Cat 1		max. comas of 47													
CAZ-NP	no. of animals	AS				0.67 0 0		0.67		0 0 0		1 day 7-20 day 21													
Formulation	Formulation	AS				0.00 0 0		0.00		0 0 0		max. comas													
Formulation	Formulation	AS				0.67 0 0		0.67		0 0 0		max. # of lesions													
Concentration	Concentration	AS				0.67 0 0		0.67		0 0 0		max. chondriosis													
Concentration	Concentration	AS				0.67 0 0		0.67		0 0 0		max. chondriosis													
Substance source	Substance source	AS				0.67 0 0		0.67		0 0 0		max. chondriosis													
Substance source	Substance source	AS				0.67 0 0		0.67		0 0 0		max. chondriosis													
Substance source	Substance source	AS				0.67 0 0		0.67		0 0 0		max. chondriosis													
1	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Notes:	mean comas of 47	max. score	reversible (EU/GHS)	irreversible (EPA)
Animal 1	Coma Obsvty	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.67	0	7	0	
Animal 1	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 1	Les	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 1	Chondriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 1	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 1	Reversible effects at d21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 2	Coma Obsvty	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 2	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 2	Les	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 2	Chondriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 2	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 2	Reversible effects at d21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 3	Coma Obsvty	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 3	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 3	Les	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 3	Chondriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 3	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 3	Reversible effects at d21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 4	Coma Obsvty	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 4	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 4	Les	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 4	Chondriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 4	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 4	Reversible effects at d21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 5	Coma Obsvty	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 5	Area involved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 5	Les	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 5	Chondriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 5	Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	
Animal 5	Reversible effects at d21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	7	0	

Substance	1017	No. of animals	Data entry	AS
CAN-NE				
EU/US				
Formulation				
Concentration				
Substance source				
Classification				
EU/GHS	not classified	category 2		
EPA				

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... days?	EU & GHS full reversibility after ... days?
Animal 1	1			7	7
Animal 2	2			7	7
Animal 3	3			7	7
Animal 4	4			7	7
Animal 5	5			7	7
Animal 6	6			7	7

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... days?	EU & GHS full reversibility after ... days?
Animal 1	1			7	7
Animal 2	2			7	7
Animal 3	3			7	7
Animal 4	4			7	7
Animal 5	5			7	7
Animal 6	6			7	7

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... days?	EU & GHS full reversibility after ... days?
Animal 1	1			7	7
Animal 2	2			7	7
Animal 3	3			7	7
Animal 4	4			7	7
Animal 5	5			7	7
Animal 6	6			7	7

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... days?	EU & GHS full reversibility after ... days?
Animal 1	1			7	7
Animal 2	2			7	7
Animal 3	3			7	7
Animal 4	4			7	7
Animal 5	5			7	7
Animal 6	6			7	7

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... days?	EU & GHS full reversibility after ... days?
Animal 1	1			7	7
Animal 2	2			7	7
Animal 3	3			7	7
Animal 4	4			7	7
Animal 5	5			7	7
Animal 6	6			7	7

Animal	hour	EU and GHS	EPA	EU & GHS full reversibility after ... days?	EU & GHS full reversibility after ... days?
Animal 1	1			7	7
Animal 2	2			7	7
Animal 3	3			7	7
Animal 4	4			7	7
Animal 5	5			7	7
Animal 6	6			7	7

Substance	1018	no. of animals	date of arrival	date of entry	AS	RECORD	AS	RECORD
CAZ-NP	3							
EU	NO							
GHS	NO							
EPA	7							
Summary	Persistence (YES/NO/?, days)							
Cornea Opacity	mean	median	ROS	Ret	1	2	3	4
Eye Irritation	1.00	0	0	1.00	0	0	0	0
Eye Conjunctivitis	1.00	1	0	1.00	0	0	0	0
Eye Discharge	0.33	0	0	0.33	0	0	0	0
Cornea Opacity	Cat 1							
Eye Irritation	Cat 2							
Eye Conjunctivitis	Cat 1							
Eye Discharge	Cat 1							
max. cornea	max. cornea							
max. eye ir.	max. eye ir.							
max. conjunctiv.	max. conjunctiv.							
max. discharge	max. discharge							
EU and GHS	EU and GHS full reversibility after ... days: 7							
Animal 1	hour	1	2	3	4	5	6	7
Cornea Opacity	day	1	2	3	4	5	6	7
Eye Irritation	1	2	3	4	5	6	7	8
Eye Conjunctivitis	1	2	3	4	5	6	7	8
Eye Discharge	1	2	3	4	5	6	7	8
EU & GHS full reversibility after ... days	7							
Animal 2	hour	1	2	3	4	5	6	7
Cornea Opacity	day	1	2	3	4	5	6	7
Eye Irritation	1	2	3	4	5	6	7	8
Eye Conjunctivitis	1	2	3	4	5	6	7	8
Eye Discharge	1	2	3	4	5	6	7	8
EU & GHS full reversibility after ... days	7							
Animal 3	hour	1	2	3	4	5	6	7
Cornea Opacity	day	1	2	3	4	5	6	7
Eye Irritation	1	2	3	4	5	6	7	8
Eye Conjunctivitis	1	2	3	4	5	6	7	8
Eye Discharge	1	2	3	4	5	6	7	8
EU & GHS full reversibility after ... days	3							
Animal 4	hour	1	2	3	4	5	6	7
Cornea Opacity	day	1	2	3	4	5	6	7
Eye Irritation	1	2	3	4	5	6	7	8
Eye Conjunctivitis	1	2	3	4	5	6	7	8
Eye Discharge	1	2	3	4	5	6	7	8
EU & GHS full reversibility after ... days	7							
Animal 5	hour	1	2	3	4	5	6	7
Cornea Opacity	day	1	2	3	4	5	6	7
Eye Irritation	1	2	3	4	5	6	7	8
Eye Conjunctivitis	1	2	3	4	5	6	7	8
Eye Discharge	1	2	3	4	5	6	7	8
EU & GHS full reversibility after ... days	7							
Animal 6	hour	1	2	3	4	5	6	7
Cornea Opacity	day	1	2	3	4	5	6	7
Eye Irritation	1	2	3	4	5	6	7	8
Eye Conjunctivitis	1	2	3	4	5	6	7	8
Eye Discharge	1	2	3	4	5	6	7	8
EU & GHS full reversibility after ... days	7							
Notes:								
mean	1.00	0	0	0	0	0	0	0
median	1.00	0	0	0	0	0	0	0
ROS	1.00	0	0	0	0	0	0	0
Ret	1.00	0	0	0	0	0	0	0
1	1.00	0	0	0	0	0	0	0
0	0.33	0	0	0	0	0	0	0
max. score	1.00	0	0	0	0	0	0	0
reversible	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
EU/GHS	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
EPA	7	7	7	7	7	7	7	7
max. cornea of 47	0	0	0	0	0	0	0	0
max. eye ir.	0	0	0	0	0	0	0	0
max. conjunctiv.	0	0	0	0	0	0	0	0
max. discharge	0	0	0	0	0	0	0	0
EU and GHS	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
EPA	7	7	7	7	7	7	7	7

Substance		1019
CAZ-NP	no. of animals	3
EU label	EU entry	AS
EU ECTD	EU ECTD	EU ECTD
Formulation	Formulation	
Quality check	Quality check	
Concentration	Concentration	0.01
Lot	Lot	
Substance source	Substance source	WMS (EC/CTD)

Classifications	
EU	R41
EPA	category 1

SUMMARY			
Persistence (YES/NO/?, days)			
Peroxide (YES/NO/?, days)			
max. cornea of 47			
max. iris			
max. conjunctiva			
max. choroid			

hour	day	EU	GH5	EPA	max. score	max. score of 47
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
Reversible effects at day 7 (No = 0; Yes = 1; unknown = ?)						
EU and GH5 EU & GH5 full reversibility after ... days >21						
Notes:						
Animal 1						
hour	day	EU	GH5	EPA	max. score	max. score of 47
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
Reversible effects at day 7 (No = 0; Yes = 1; unknown = ?)						
EU and GH5 EU & GH5 full reversibility after ... days >21						
Notes:						
Animal 2						
hour	day	EU	GH5	EPA	max. score	max. score of 47
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
Reversible effects at day 7 (No = 0; Yes = 1; unknown = ?)						
EU and GH5 EU & GH5 full reversibility after ... days >21						
Notes:						
Animal 3						
hour	day	EU	GH5	EPA	max. score	max. score of 47
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
Reversible effects at day 7 (No = 0; Yes = 1; unknown = ?)						
EU and GH5 EU & GH5 full reversibility after ... days >21						
Notes:						
Animal 4						
hour	day	EU	GH5	EPA	max. score	max. score of 47
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
Reversible effects at day 7 (No = 0; Yes = 1; unknown = ?)						
EU and GH5 EU & GH5 full reversibility after ... days >21						
Notes:						
Animal 5						
hour	day	EU	GH5	EPA	max. score	max. score of 47
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					
9	9					
10	10					
11	11					
12	12					
13	13					
14	14					
15	15					
16	16					
17	17					
18	18					
Reversible effects at day 7 (No = 0; Yes = 1; unknown = ?)						
EU and GH5 EU & GH5 full reversibility after ... days >21						
Notes:						

reversible	reversible
(EU/GHS)	(EPA)
>21	3
7	0

1.1P	1.1P
#D/W/O	#D/W/O
#D/W/O	#D/W/O
#D/W/O	#D/W/O
#D/W/O	#D/W/O
FALSE	FALSE

SUBSTANCE			SUMMARY										GHS			EPA			
CAS-Nr	EC-No	No. of animals	Data entry	AS	Persistence (YES/NO/?, days)										YES	7	YES	max. cornea of 4?	max. score
					day 1	2	3	4	5	6	7	8	9	10					
					mean/median	RO5	RO4	peroxide	Cat. 1	Cat. 2	Cat. 1	cornea of 4?			max. cornea	day 7-20	day 21	data	
					2.00	1.00	0	2.00	1	0	0	0			3	3	3	1	
					1.00	1.00	0	1.00	1	0	0				max. iris	3	3	0	
					2.00	2.00	1	2.00	1	0	0				max. lens	3	3	0	
					2.00	2.00	1	2.00	1	0	0				max. choroid	2	2	2	

EU	GHS	PERSISTENCE (YES/NO/?, days)																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

hour	day	EU & GHS full reversibility after ... days >= 7
1	4	0
2	2	0
3	2	0
4	2	0
5	2	0
6	2	0
7	2	0
8	2	0
9	2	0
10	2	0
11	2	0
12	2	0
13	2	0
14	2	0
15	2	0
16	2	0
17	2	0
18	2	0

hour	day	EU & GHS full reversibility after ... days >= 21
1	4	0
2	2	0
3	2	0
4	2	0
5	2	0
6	2	0
7	2	0
8	2	0
9	2	0
10	2	0
11	2	0
12	2	0
13	2	0
14	2	0
15	2	0
16	2	0
17	2	0
18	2	0

hour	day	EU & GHS full reversibility after ... days >= 21
1	4	0
2	2	0
3	2	0
4	2	0
5	2	0
6	2	0
7	2	0
8	2	0
9	2	0
10	2	0
11	2	0
12	2	0
13	2	0
14	2	0
15	2	0
16	2	0
17	2	0
18	2	0

hour	day	EU & GHS full reversibility after ... days >= 21
1	4	0
2	2	0
3	2	0
4	2	0
5	2	0
6	2	0
7	2	0
8	2	0
9	2	0
10	2	0
11	2	0
12	2	0
13	2	0
14	2	0
15	2	0
16	2	0
17	2	0
18	2	0

hour	day	EU & GHS full reversibility after ... days >= 21
1	4	0
2	2	0
3	2	0
4	2	0
5	2	0
6	2	0
7	2	0
8	2	0
9	2	0
10	2	0
11	2	0
12	2	0
13	2	0
14	2	0
15	2	0
16	2	0
17	2	0
18	2	0

reversible	irreversible
0	7
>21	>21
0	1

1 yr	#DW/0%	#DW/1%	#DW/2%	#DW/3%	FALSE
1	0	0	0	0	FALSE

SUBSTANCE		LOC1		no. of animals		Data entry		AS			
CAS-NO	EU-CL	EC-NO	AS	EU	AS	EU	AS	EU	AS		
1	2	3	4	5	6	7	8	9	10		
1001	1	1	2	3	4	5	6	7	8		
<b>SUMMARY</b> Persistence (YES/NO(7, days)) Cornea Opacity Iris Pigmentation Conjunctival Redness Corneal Opacity Iris Pigmentation Conjunctival Redness Corneal Opacity Iris Pigmentation Conjunctival Redness Corneal Opacity Iris Pigmentation Conjunctival Redness Corneal Opacity Iris Pigmentation Conjunctival Redness											
EPA				GHS				EU		NO	
EPA				GHS				EU		NO	
EPA				GHS				EU		NO	
EPA				GHS				EU		NO	
EPA				GHS				EU		NO	

hour	day	EU and GHS	EPA D	EU & GHS full reversibility after ... days
1	1	0	0	3
2	1	0	0	3
3	1	0	0	3
4	1	0	0	3
5	1	0	0	3
6	1	0	0	3
7	1	0	0	3
8	1	0	0	3
9	1	0	0	3
10	1	0	0	3
11	1	0	0	3
12	1	0	0	3
13	1	0	0	3
14	1	0	0	3
15	1	0	0	3
16	1	0	0	3
17	1	0	0	3
18	1	0	0	3
19	1	0	0	3
20	1	0	0	3
21	1	0	0	3

hour	day	EU and GHS	EPA D	EU & GHS full reversibility after ... days
1	2	0	0	3
2	2	0	0	3
3	2	0	0	3
4	2	0	0	3
5	2	0	0	3
6	2	0	0	3
7	2	0	0	3
8	2	0	0	3
9	2	0	0	3
10	2	0	0	3
11	2	0	0	3
12	2	0	0	3
13	2	0	0	3
14	2	0	0	3
15	2	0	0	3
16	2	0	0	3
17	2	0	0	3
18	2	0	0	3
19	2	0	0	3
20	2	0	0	3
21	2	0	0	3

hour	day	EU and GHS	EPA D	EU & GHS full reversibility after ... days
1	3	0	0	3
2	3	0	0	3
3	3	0	0	3
4	3	0	0	3
5	3	0	0	3
6	3	0	0	3
7	3	0	0	3
8	3	0	0	3
9	3	0	0	3
10	3	0	0	3
11	3	0	0	3
12	3	0	0	3
13	3	0	0	3
14	3	0	0	3
15	3	0	0	3
16	3	0	0	3
17	3	0	0	3
18	3	0	0	3
19	3	0	0	3
20	3	0	0	3
21	3	0	0	3

Notes:

max. score 3

reversible (EU/GHS) irreversible (EPA)

Notes:

max. score 3

reversible (EU/GHS) irreversible (EPA)

Notes:

max. score 3

reversible (EU/GHS) irreversible (EPA)

Notes:

max. score 3

reversible (EU/GHS) irreversible (EPA)





Substance	LOQ3	No. of animals	Date entry	AS
CA-MP				
Lot no		Batch/lot	AS	RELOT
Manufacture		Quantity checked		
Concentration		Batch		
Substance source		ASAS (RECELOT)		

EU	NO	GH5	NO	EPA	NO
1		1		1	

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

max. cornea of 47	mean cornea of 47	max. score
0	0	1
0	0	2
0	0	3

max. cornea of 47	mean cornea of 47	max. score
0	0	1
0	0	2
0	0	3

max. cornea of 47	mean cornea of 47	max. score
0	0	1
0	0	2
0	0	3

max. cornea of 47	mean cornea of 47	max. score
0	0	1
0	0	2
0	0	3

max. cornea of 47	mean cornea of 47	max. score
0	0	1
0	0	2
0	0	3

max. cornea of 47	mean cornea of 47	max. score
0	0	1
0	0	2
0	0	3

reversible (EU/GHS)	reversible (EPA)
7	6
14	6
14	6
7	6

1
1 res
FALSE

Substance	LOQ4	No. of animals	Data entry	AS	SUMMARY														EPA			
					Persistence (YES/NO/?, days)														max. score			
Category	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	max. score	max. score	max. score	
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21
Cornea opacity																						
Area involved																						
Lesions																						
Conjunctival redness																						
Discharge																						
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after... days (>21)														EU & GHS full reversibility after... days (>21)	EU & GHS full reversibility after... days (>21)				
Notes:																						
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21
Cornea opacity																						
Area involved																						
Lesions																						
Conjunctival redness																						
Discharge																						
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after... days (>21)														EU & GHS full reversibility after... days (>21)	EU & GHS full reversibility after... days (>21)				
Notes:																						
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21
Cornea opacity																						
Area involved																						
Lesions																						
Conjunctival redness																						
Discharge																						
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after... days (>21)														EU & GHS full reversibility after... days (>21)	EU & GHS full reversibility after... days (>21)				
Notes:																						
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21
Cornea opacity																						
Area involved																						
Lesions																						
Conjunctival redness																						
Discharge																						
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after... days (>21)														EU & GHS full reversibility after... days (>21)	EU & GHS full reversibility after... days (>21)				
Notes:																						
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21
Cornea opacity																						
Area involved																						
Lesions																						
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Discharge																						
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after... days (>21)														EU & GHS full reversibility after... days (>21)	EU & GHS full reversibility after... days (>21)				
Notes:																						
Animal 6	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	21
Cornea opacity																						
Area involved																						
Lesions																						
Conjunctival redness																						
Discharge																						
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GHS	EPA	EU & GHS full reversibility after... days (>21)														EU & GHS full reversibility after... days (>21)	EU & GHS full reversibility after... days (>21)				
Notes:																						

Reversible	investable
EU(GHS)	EPA
21	0
21	1
21	2
21	3

1 pt
1 pt
#D/W/O
#D/W/O
#D/W/O
#D/W/O
FALSE



Substance	CAS-Nr	EC-No	No. of animals	Date of start	Date of end	AS-RECORD	SUMMARY							EU	GHS	EPA	NO																									
							Persistence (YES/NO; 7 days)	Cornea Opacity	Eye Irritation	Eye Conjunctival Redness	Chemosis	max. cornea	max. eye redness					max. chemosis																								
Animal 1	1		4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		
Animal 2	1		4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		
Animal 3	1		4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		
Animal 4	1		4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		
Animal 5	1		4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		

EU	NO	GHS	EPA	NO
1.44	0	0	1.33	0
0.39	0	0	0.33	0
1.72	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

EU	NO	GHS	EPA	NO
0.87	0	0	1.33	0
0.33	0	0	0.33	0
1.00	0	0	1.00	0

Substance	CAS-Nr	No. of animals	Date of entry into force	AS	Persistence (YES/NO/?, days)	EU			GHS			EPA													
						NO	NO	NO	NO	NO	NO	NO													
Concentration	0.01	Quality check	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
Substance source	AMAS (ELECTOC)	DMR	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
Identifications																									
EU																									
GHS																									
EPA																									
Animal 1	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Concentration																									
Substance source																									
Identifications																									
EU and GHS																									
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																									
Animal 2	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Concentration																									
Substance source																									
Identifications																									
EU and GHS																									
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																									
Animal 3	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Concentration																									
Substance source																									
Identifications																									
EU and GHS																									
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																									
Animal 4	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Concentration																									
Substance source																									
Identifications																									
EU and GHS																									
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																									
Animal 5	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Concentration																									
Substance source																									
Identifications																									
EU and GHS																									
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																									
Animal 6	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Concentration																									
Substance source																									
Identifications																									
EU and GHS																									
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																									

Reversible (EU/GHS)	3
Reversible (EPA)	3

FALSE



Substance	LOGP	No. of animals	Data entry	AS	RECD	EU	NO	GH5	NO	EPA	NO												
Chemical name		3	3																				
Lot/ID																							
Concentration																							
Substance source																							
Characterization																							
EU																							
EPA																							
Animal 1	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	day	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved																							
Lesions																							
Chemicals																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA D	0	EU & GH5 full reversibility after ... day	7																		
Notes:	mean: median: R05: R04:1																						
Animal 2	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	day	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved																							
Lesions																							
Chemicals																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA D	0	EU & GH5 full reversibility after ... day	7																		
Notes:	mean: median: R05: R04:1																						
Animal 3	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	day	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved																							
Lesions																							
Chemicals																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA D	0	EU & GH5 full reversibility after ... day	7																		
Notes:	mean: median: R05: R04:1																						
Animal 4	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	day	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved																							
Lesions																							
Chemicals																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA D	0	EU & GH5 full reversibility after ... day	7																		
Notes:	#DW01																						
Animal 5	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	day	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved																							
Lesions																							
Chemicals																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA D	0	EU & GH5 full reversibility after ... day	7																		
Notes:	#DW01																						
Animal 6	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity	day	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Area involved																							
Lesions																							
Chemicals																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA D	0	EU & GH5 full reversibility after ... day	7																		
Notes:	#DW01																						

Reversible (EU/GHS)	Reversible (EPA)
7	0
7	0
7	0

#DW01
#DW01
#DW01
FALSE





Substance	CAS-Nr	No. of animals	Date of arrival	AS	Date of treatment	Date of observation	AS	EPA	SUMMARY		EU		GHS		EPA		day 7-20	day 21	day 21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
									Persistence (YES/NO/?, days)	NO	NO	NO	NO	NO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Concentration	0.01	1	1	0.01	1	1	0.01	1	mean/median	R05	R04	Cat 1	Cat 2	Cat 1	Cat 2	max. cornea	max. iris	max. lens	max. cornea																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Concentration	0.01	1	1	0.01	1	1	0.01	1	0.07	0	0	0	0	0	0	0	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Substance source	ANAS (EUCETO)	1	1	0.01	1	1	0.01	1	1.33	0	1.33	0	0	0	0	2	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<table border="1"> <thead> <tr> <th>Classification</th> <th>R05</th> <th>R04</th> <th>Cat 1</th> <th>Cat 2</th> <th>max. cornea</th> <th>max. iris</th> <th>max. lens</th> <th>max. cornea</th> </tr> </thead> <tbody> <tr> <td>EU</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EPA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>																				Classification	R05	R04	Cat 1	Cat 2	max. cornea	max. iris	max. lens	max. cornea	EU									EPA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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<table border="1"> <thead> <tr> <th>Animal 1</th> <th>hour</th> <th>day</th> <th>EU &amp; GHS full reversibility after ... days</th> <th>max. score</th> <th>reversible (EU/GHS)</th> <th>reversible (EPA)</th> </tr> </thead> <tbody> <tr> <td>Cornea opacity</td> <td>1</td> <td>1</td> <td>0</td> <td>2.00</td> <td>7</td> <td>7</td> </tr> <tr> <td>Area involved</td> <td>1</td> <td>1</td> <td>0</td> <td>0.87</td> <td>7</td> <td>7</td> </tr> <tr> <td>Area involved</td> <td>1</td> <td>1</td> <td>0</td> <td>1.33</td> <td></td> <td></td> </tr> <tr> <td>Conjunctival Redness</td> <td>1</td> <td>1</td> <td>0</td> <td>2.00</td> <td></td> <td></td> </tr> <tr> <td>Chemosis</td> <td>1</td> <td>1</td> <td>0</td> <td>0.87</td> <td></td> <td></td> </tr> <tr> <td>Discharge</td> <td>1</td> <td>1</td> <td>0</td> <td>1.33</td> <td></td> <td></td> </tr> <tr> <td colspan="7">Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):</td> </tr> <tr> <td colspan="7">EU and GHS</td> </tr> <tr> <td colspan="7">EPA</td> </tr> <tr> <td colspan="7">           Notes:            #D/W/O            #D/W/O            #D/W/O            FALSE         </td> </tr> <tr> <td colspan="20"> <table border="1"> <thead> <tr> <th>Animal 2</th> <th>hour</th> <th>day</th> <th>EU &amp; GHS full reversibility after ... days</th> <th>max. score</th> <th>reversible (EU/GHS)</th> <th>reversible (EPA)</th> </tr> </thead> <tbody> <tr> <td>Cornea opacity</td> <td>1</td> <td>1</td> <td>0</td> <td>2.00</td> <td>7</td> <td>7</td> </tr> <tr> <td>Area involved</td> <td>1</td> <td>1</td> <td>0</td> <td>0.87</td> <td></td> <td></td> </tr> <tr> <td>Area involved</td> <td>1</td> <td>1</td> <td>0</td> <td>1.67</td> <td></td> <td></td> </tr> <tr> <td>Conjunctival Redness</td> <td>1</td> <td>1</td> <td>0</td> <td>2.00</td> <td></td> <td></td> </tr> <tr> <td>Chemosis</td> <td>1</td> <td>1</td> <td>0</td> <td>0.87</td> <td></td> <td></td> </tr> <tr> <td>Discharge</td> <td>1</td> <td>1</td> <td>0</td> <td>1.33</td> <td></td> <td></td> </tr> <tr> <td colspan="7">Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):</td> </tr> <tr> <td colspan="7">EU and GHS</td> </tr> <tr> <td colspan="7">EPA</td> </tr> <tr> <td colspan="7">           Notes:            #D/W/O            #D/W/O            #D/W/O            FALSE         </td> </tr> <tr> <td colspan="20"> <table border="1"> <thead> <tr> <th>Animal 3</th> <th>hour</th> <th>day</th> <th>EU &amp; 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SUBSTANCE		TOX2		No. of animals		Data entry		AS		SUMMARY		EU		GHS		EPA		NO	
Chemical Name	EC No.	EC No.	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Animal 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Animal 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Animal 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

hour	day	EU	GHS	EPA	max. score
1	1	0	0	0	0
2	2	0	0	0	0
3	3	0	0	0	0
4	4	0	0	0	0
5	5	0	0	0	0
6	6	0	0	0	0
7	7	0	0	0	0
8	8	0	0	0	0
9	9	0	0	0	0
10	10	0	0	0	0
11	11	0	0	0	0
12	12	0	0	0	0
13	13	0	0	0	0
14	14	0	0	0	0
15	15	0	0	0	0
16	16	0	0	0	0
17	17	0	0	0	0
18	18	0	0	0	0
19	19	0	0	0	0
20	20	0	0	0	0
21	21	0	0	0	0





Substance	CAS-Nr	No. of animals	Date of arrival	AS	Date of entry	AS	SUMMARY														EPA	NO	NO
							Persistence (YES/NO/?, days)		EU		GHS		NO		NO		NO		NO				
Chemical name	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.	EC No.					
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					

Substance	CAS-Nr	No. of animals	Date of arrival	AS	Date of entry	AS	SUMMARY														EPA	NO	NO
							Persistence (YES/NO/?, days)																
Category	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO					
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					

Substance	EU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

SUBSTANCE		LO39		No. of animals		Data entry		AS		SUMMARY		EU		GHS		EPA		NO	
CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP	CAE-NP
Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name	Chemical name
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea Opacity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urea Nitrogen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll a		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll b		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll c		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll d		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll e		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll f		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll g		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll h		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll i		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll j		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll k		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll l		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll m		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll n		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll o		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll p		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll q		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll r		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll s		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll t		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll u		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll v		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll w		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll x		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll y		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlorophyll z		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0





Substance	Category	10-11	12	13	14	15	16	17	18	19	20	21	EPA																																																																																																																																																																																																																																														
Chemical Name	Category	10-11	12	13	14	15	16	17	18	19	20	21	Chemical Name																																																																																																																																																																																																																																														
<table border="0"> <tr> <td colspan="2"><b>SUMMARY</b></td> <td colspan="11">Persistence (YES/NO/?, days)</td> </tr> <tr> <td colspan="2">Permeability</td> <td>EU</td> <td>NO</td> <td colspan="8">GHS</td> <td>NO</td> <td colspan="2">EPA</td> </tr> <tr> <td colspan="2">Coneval Opacity</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">EPA</td> <td colspan="12"> <table border="0"> <tr> <td>mean/incl. RQ5</td> <td>RQ4</td> <td>Reproductive</td> <td>Cat 1</td> <td>Cat 2</td> <td>Cat 1</td> <td>comet of 47</td> <td>comet of 47?</td> <td>max. comet</td> <td>max. comet</td> <td>day 7-20</td> <td>day 21</td> <td>day 21</td> </tr> <tr> <td>0.67</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.33</td> <td>0</td> <td>0</td> <td>0.33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> </table> </td> </tr> <tr> <td colspan="2">EPA</td> <td colspan="12"> <table border="0"> <tr> <td>mean/incl. RQ5</td> <td>RQ4</td> <td>Reproductive</td> <td>Cat 1</td> <td>Cat 2</td> <td>Cat 1</td> <td>comet of 47</td> <td>comet of 47?</td> <td>max. comet</td> <td>max. comet</td> <td>day 7-20</td> <td>day 21</td> <td>day 21</td> </tr> <tr> <td>0.67</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.33</td> <td>0</td> <td>0</td> <td>0.33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> </table> </td> </tr> </table>														<b>SUMMARY</b>		Persistence (YES/NO/?, days)											Permeability		EU	NO	GHS								NO	EPA		Coneval Opacity																EPA		<table border="0"> <tr> <td>mean/incl. RQ5</td> <td>RQ4</td> <td>Reproductive</td> <td>Cat 1</td> <td>Cat 2</td> <td>Cat 1</td> <td>comet of 47</td> <td>comet of 47?</td> <td>max. comet</td> <td>max. comet</td> <td>day 7-20</td> <td>day 21</td> <td>day 21</td> </tr> <tr> <td>0.67</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.33</td> <td>0</td> <td>0</td> <td>0.33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> </table>												mean/incl. RQ5	RQ4	Reproductive	Cat 1	Cat 2	Cat 1	comet of 47	comet of 47?	max. comet	max. comet	day 7-20	day 21	day 21	0.67	0	0	0	0	0	0	0	0	0	1	0	0	0.33	0	0	0.33	0	0	0	0	0	0	1	0	0	2.00	1	2.00	2.00	1	2.00	1	3	3	3	3	2	0	2.00	1	2.00	2.00	1	2.00	1	3	3	3	3	2	0	EPA		<table border="0"> <tr> <td>mean/incl. RQ5</td> <td>RQ4</td> <td>Reproductive</td> <td>Cat 1</td> <td>Cat 2</td> <td>Cat 1</td> <td>comet of 47</td> <td>comet of 47?</td> <td>max. comet</td> <td>max. comet</td> <td>day 7-20</td> <td>day 21</td> <td>day 21</td> </tr> <tr> <td>0.67</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.33</td> <td>0</td> <td>0</td> <td>0.33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> <tr> <td>2.00</td> <td>1</td> <td>2.00</td> <td>2.00</td> <td>1</td> <td>2.00</td> <td>1</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>2</td> <td>0</td> </tr> </table>												mean/incl. RQ5	RQ4	Reproductive	Cat 1	Cat 2	Cat 1	comet of 47	comet of 47?	max. comet	max. comet	day 7-20	day 21	day 21	0.67	0	0	0	0	0	0	0	0	0	1	0	0	0.33	0	0	0.33	0	0	0	0	0	0	1	0	0	2.00	1	2.00	2.00	1	2.00	1	3	3	3	3	2	0	2.00	1	2.00	2.00	1	2.00	1	3	3	3	3	2	0																																				
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Substance	TOC3	No. of animals	Date entry	AS	Summary	EU	GH5	EPA	NO	NO	NO	NO											
CAZ-NP	6	6	03/10/11	AS	Persistence (YES/NO(7, days))	20	21		20	21													
Formulation					mean (median, range)	0	0		0	0													
Quality check					max. cornea of 4?	0	0		0	0													
Concentration					max. pH	0	0		0	0													
Stability					max. chromobias	0	0		0	0													
Stability source																							
Classification																							
EU																							
EPA																							
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																							
Area involved																							
Lesions																							
Chromobias																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																							
Area involved																							
Lesions																							
Chromobias																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																							
Area involved																							
Lesions																							
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Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																							
Area involved																							
Lesions																							
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Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																							
Area involved																							
Lesions																							
Chromobias																							
Discharge																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)																							

Reversible (EU/GHS)	Reversible (EPA)
7	0
14	0
21	0
21	0
3	0

FALSE









SUBSTANCE	CAS-Nr	No. of animals	Data entry	AS	SUMMARY							EU	GHS							EPA	NO													
					Persistence (YES/NO?) (days)	mean	median	RD5	RD4	RD5	RD4		RD5	Cat. 1	Cat. 2	Cat. 1	Cat. 2	cornes of 4?	max. cornes			day 7-20	day 21	data										
Corena Opacity		3	1,2,3	1,1,3	20	18	16	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US			
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US		
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Substance	Corena Opacity	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	
Corena Opacity	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EU(GHS)	reversible	irreversible
3	0	0
7	0	0
3	0	0

EU(GHS)	reversible	irreversible
1	0	0
1	0	0
1	0	0



SUBSTANCE		1052		NO. of animals		Date entry		AS		SUMMARY		EU		GHS		EPA		NO		
CAS-No		EPA-Code		No. of animals		Date entry		AS		Persistence (YES/NO/?, days)		EU		GHS		EPA		NO		
CAS-No		EPA-Code		No. of animals		Date entry		AS		Persistence (YES/NO/?, days)		EU		GHS		EPA		NO		
Animal 1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Animal 5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
cov	0.00
corr	0.00
rank	0
cat	0
score	0
total	0
max. score	0

mean	0.00
max	0.00
min	0.00
std	0.00
var	0.00
cov	0.00
corr	0.00
rank	0
cat	0
score	0
total	0
max. score	0

Substance	LOEC	No. of animals	Date of entry	AS	EU	GH5	EPA	NO	NO	NO														
CAE-NP	1003	3	04/01/2018	15/04/2018	NO	NO	NO	NO	NO	NO														
Formulation	1003	3	04/01/2018	15/04/2018	NO	NO	NO	NO	NO	NO														
Application	1003	3	04/01/2018	15/04/2018	NO	NO	NO	NO	NO	NO														
Concentration	1003	3	04/01/2018	15/04/2018	NO	NO	NO	NO	NO	NO														
Substance source	1003	3	04/01/2018	15/04/2018	NO	NO	NO	NO	NO	NO														
Classification	1003	3	04/01/2018	15/04/2018	NO	NO	NO	NO	NO	NO														
EU	not classified																							
EPA	category 2 B																							
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA-D	0	EU & GH5 full reversibility after ... days?	7																			
Notes:	mean: 1.33; median: 0.67; range: 0.07 - 1.67																							
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA-D	0	EU & GH5 full reversibility after ... days?	7																			
Notes:	mean: 1.33; median: 0.67; range: 0.07 - 1.67																							
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA-D	0	EU & GH5 full reversibility after ... days?	7																			
Notes:	mean: 1.00; median: 0.87; range: 0.67 - 1.67																							
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA-D	0	EU & GH5 full reversibility after ... days?	7																			
Notes:	#DW/01																							
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA-D	0	EU & GH5 full reversibility after ... days?	7																			
Notes:	#DW/01																							
Animal 6	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA-D	0	EU & GH5 full reversibility after ... days?	7																			
Notes:	#DW/01																							

Substance	1054	no. of animals	AS	AS	EPA							GHS			EPA									
Chemical	0000	no. of animals	AS	AS																				
Formulation	0000	AS	AS	AS																				
Concentration	0.01	AS	AS	AS																				
Substance source	0000	AS	AS	AS																				
Classification	not classified																							
EU	category 2																							
EPA	category 2																							
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Substance	1054	no. of animals	AS	AS	EPA							GHS			EPA									
Chemical	0000	no. of animals	AS	AS																				
Formulation	0000	AS	AS	AS																				
Concentration	0.01	AS	AS	AS																				
Substance source	0000	AS	AS	AS																				
Classification	not classified																							
EU	category 2																							
EPA	category 2																							
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Substance	1054	no. of animals	AS	AS	EPA							GHS			EPA									
Chemical	0000	no. of animals	AS	AS																				
Formulation	0000	AS	AS	AS																				
Concentration	0.01	AS	AS	AS																				
Substance source	0000	AS	AS	AS																				
Classification	not classified																							
EU	category 2																							
EPA	category 2																							
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

SUBSTANCE		1057	No. of animals		Date entry		AS																
CAS-Nr	EU and GHS	4	1	2	3	4	5	6															
EU and GHS	EU and GHS	EPAD	0	EU & GHS full reversibility after ... days	14																		
EU and GHS	EU and GHS	EPAD	0	EU & GHS full reversibility after ... days	14																		
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

SUMMARY		EU		GHS		EPA		NO	
Persistence (YES/NO/?, days)		NO		NO		NO		NO	
Cornea Opacity		2.00		1.00		0.00		0.00	
Iris		1.00		1.00		1.00		1.00	
Lacrimal Reflex		1.33		0.00		0.00		0.00	
Chromidosis		1.33		0.00		0.00		0.00	
max. cornea		2		1		0		0	
max. iris		3		1		0		0	
max. lacrima		2		1		0		0	
max. chromidosis		2		1		0		0	

reversible	reversible (EPA)
14	0
14	0
3	0

2.00	1.00	0.00
1.00	1.00	1.00
1.33	0.00	0.00
1.33	0.00	0.00

SUBSTANCE		TOXES		No. of animals		Data entry		AS		SUMMARY		EU		GHS		EPA		NO																																																																																																																																					
CAZ-NP	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	EU/US	Persistence (YES/NO/?, days)	mean/median/RO5/R04/1	percentile	Cat. 1	Cat. 2	Cat. 1	cornes of 4?	max. cornes	max. cornes	day 7-20	day 21	data																																																																																																																																		
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<p><b>Animal 1</b></p> <p>hour</p> <p>1</p> <p>EU and GHS</p> <p>Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):</p> <p>EU &amp; GHS full reversibility after ... days: 14</p> <p>day</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>Notes:</p> <table border="1"> <tr><td>mean</td><td>1.33</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>max. score</td><td>1.67</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>Reversible (EU/GHS) irreversible (EPA)</p> <table border="1"> <tr><td>reversible</td><td>1.67</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>irreversible</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table>																						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	mean	1.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	max. score	1.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	reversible	1.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	irreversible	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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reversible	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																		
irreversible	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																		
<p><b>Animal 5</b></p> <p>hour</p> <p>1</p> <p>EU and GHS</p> <p>Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):</p> <p>EU &amp; GHS full reversibility after ... days: 14</p> <p>day</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>Notes:</p> <table border="1"> <tr><td>mean</td><td>0.87</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>max. score</td><td>2.67</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>Reversible (EU/GHS) irreversible (EPA)</p> <table border="1"> <tr><td>reversible</td><td>0.87</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>irreversible</td><td>2.67</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table>																						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	mean	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	max. score	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	reversible	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	irreversible	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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<p><b>Animal 6</b></p> <p>hour</p> <p>1</p> <p>EU and GHS</p> <p>Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):</p> <p>EU &amp; GHS full reversibility after ... days: 14</p> <p>day</p> <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>Notes:</p> <table border="1"> <tr><td>mean</td><td>0.87</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>max. score</td><td>2.67</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table> <p>Reversible (EU/GHS) irreversible (EPA)</p> <table border="1"> <tr><td>reversible</td><td>0.87</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>irreversible</td><td>2.67</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> </table>																						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	mean	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	max. score	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	reversible	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	irreversible	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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max. score	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																		
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irreversible	2.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																																																																																																		



Substance	LO58	No. of animals	3	Date entry	AS
CAS-Nr		Application		Date	15.04
EU-No		Classification		Quality check	
Concentration	0.01	AMAS (EC/EC/O)		Date	
Substance source		AMAS (EC/EC/O)		Date	

Identifications  
EU: not classified  
EPA: category 2

SUMMARY	Persistence (YES/NO/?, days)	EU	NO	GHS	NO	EPA	NO
		mean/median	1.67	1.67	1.67	1.67	1.67
	Cornua Opacity						
	Iris						
	Mucous Membranes						
	Chlorophyll						

max. cornua of 4?	0
max. iris	2
max. mucous membranes	2
max. chlorophyll	2

reversible	
#D/W/O	7
#D/W/O	21
#D/W/O	0
#D/W/O	3

max. score	
mean	1.00
cornua of 4?	0
cornua of 4?	0
cornua of 4?	0
cornua of 4?	0
cornua of 4?	0
cornua of 4?	0

mean	1.67	0	2
cornua of 4?	0.63		
cornua of 4?	1.67		
cornua of 4?	1.00		

Notes:

Notes:

Notes:

Notes:

Notes:

Notes:

hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 2																						
Cornua Opacity																						
Iris																						
Mucous Membranes																						
Chlorophyll																						
Reversible effects at dGT (No=0; Yes=1; unknown=?):																						

hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 3																						
Cornua Opacity																						
Iris																						
Mucous Membranes																						
Chlorophyll																						
Reversible effects at dGT (No=0; Yes=1; unknown=?):																						

hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 4																						
Cornua Opacity																						
Iris																						
Mucous Membranes																						
Chlorophyll																						
Reversible effects at dGT (No=0; Yes=1; unknown=?):																						

hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 5																						
Cornua Opacity																						
Iris																						
Mucous Membranes																						
Chlorophyll																						
Reversible effects at dGT (No=0; Yes=1; unknown=?):																						

hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Animal 6																						
Cornua Opacity																						
Iris																						
Mucous Membranes																						
Chlorophyll																						
Reversible effects at dGT (No=0; Yes=1; unknown=?):																						

Substance	1009	No. of animals	Date of entry	AS
CAN-NP		3	15-DEC	
Lot/ID			15-DEC	
Quantity				
Concentration				
Substance source				

EU	NO	GHS	NO	EPA														NO	max. day 7-20	day 21	day 28
				1	2	3	4	5	6	7	8	9	10	11	12	13	14				
SUMMARY																					
Persistence (YES/NO(7 days))		NO	NO	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cornea Opacity		mean: median	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Iris		max. score	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Pupils		max. score	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Chiasmus		max. score	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Optic chiasmus		max. score	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Mucus Membranes		max. score	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Chiasmus		max. score	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

Reversible (EU/GHS)	Reversible (EPA)
1	3
1.4	0
3	0

#D/V/O/	max. score
#D/V/O/	0
#D/V/O/	0
#D/V/O/	0

Reversible (EU/GHS)	Reversible (EPA)
1	3
1.4	0
3	0

#D/V/O/	max. score
#D/V/O/	0
#D/V/O/	0
#D/V/O/	0

Reversible (EU/GHS)	Reversible (EPA)
1	3
1.4	0
3	0

#D/V/O/	max. score
#D/V/O/	0
#D/V/O/	0
#D/V/O/	0

Reversible (EU/GHS)	Reversible (EPA)
1	3
1.4	0
3	0

#D/V/O/	max. score
#D/V/O/	0
#D/V/O/	0
#D/V/O/	0



Substance	CAS-Nr	No. of animals	Date entry	AS	SUMMARY							EU	GHS	EPA	NO										
					Permanence (YES/NO/?, days)	Cornea Opacity	les	epithelia	Refractive	Chromidosis	max. score					max. score									
Animal 1	1	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 2	2	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 3	3	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 4	4	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 5	5	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Animal 6	6	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

mean median	0.00	0.00
R05	0.00	0.00
R04	0.00	0.00
R03	0.00	0.00
R02	0.00	0.00
R01	0.00	0.00
max. cornea of 47	0.00	0.00
max. iris	0.00	0.00
max. epithelia	0.00	0.00
max. chromidosis	0.00	0.00

mean	0.00
cornea of 47	0.00
max. score	0.00

reversible	FALSE
(EU/GHS)	FALSE
(EPA)	FALSE

reversible	FALSE
(EU/GHS)	FALSE
(EPA)	FALSE

reversible	FALSE
(EU/GHS)	FALSE
(EPA)	FALSE

reversible	FALSE
(EU/GHS)	FALSE
(EPA)	FALSE

SUBSTANCE		SUMMARY		EU		GHS		EPA	
CAS-Nr	Chemical name	Persistence (YES/NO/?, days)	NO	NO	NO	NO	NO	NO	NO
10051	no. of animals Data entry Date Data duration AS US-Code	3							
	Quality check								
	Concentration								
	Substance source								
	Classification								
	EU								
	GHS								
	EPA								
Animal 1	hour	1							
	day	1-4	1	2	3	4	5	6	7
	EU & GHS full reversibility after ... days	1							
	Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)								
	Notes:								
	Animal 2	hour	1						
	day	1-4	1	2	3	4	5	6	7
	EU & GHS full reversibility after ... days	1							
	Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)								
	Notes:								
	Animal 3	hour	1						
	day	1-4	1	2	3	4	5	6	7
	EU & GHS full reversibility after ... days	3							
	Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)								
	Notes:								
	Animal 4	hour	1						
	day	1-4	1	2	3	4	5	6	7
	EU & GHS full reversibility after ... days	7							
	Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)								
	Notes:								
	Animal 5	hour	1						
	day	1-4	1	2	3	4	5	6	7
	EU & GHS full reversibility after ... days	1							
	Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)								
	Notes:								
	Animal 6	hour	1						
	day	1-4	1	2	3	4	5	6	7
	EU & GHS full reversibility after ... days	1							
	Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)								
	Notes:								

reversible	reversible
(EU/GHS)	(EPA)
1	0
3	0
7	0
3	0

#D/W/O	
#D/W/O	
#D/W/O	
#D/W/O	
FALSE	



SUBSTANCE		1003		no. of animals		Data entry		AS																		
CAS-Nr		115104		115104		Date		115104																		
IUPAC name		115104		Date		Date		Date																		
Synonyms				Quality check																						
Concentration		0.01		Date																						
Substance source		MANS (ECC/ECOC)		Date																						
Classifications																										
EU		not classified																								
EPA		no category																								
Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Cornea opacity																										
Area involved																										
Iris																										
Conjunctival redness																										
Chemosis																										
Discharge																										
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA-D		0		EU & GHS full reversibility after ... days		3																
Notes:																										
Animal 2																										
Cornea opacity																										
Area involved																										
Iris																										
Conjunctival redness																										
Chemosis																										
Discharge																										
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA-D		0		EU & GHS full reversibility after ... days		3																
Notes:																										
Animal 3																										
Cornea opacity																										
Area involved																										
Iris																										
Conjunctival redness																										
Chemosis																										
Discharge																										
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA-D		0		EU & GHS full reversibility after ... days		3																
Notes:																										
Animal 4																										
Cornea opacity																										
Area involved																										
Iris																										
Conjunctival redness																										
Chemosis																										
Discharge																										
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA-D		0		EU & GHS full reversibility after ... days		7																
Notes:																										
Animal 5																										
Cornea opacity																										
Area involved																										
Iris																										
Conjunctival redness																										
Chemosis																										
Discharge																										
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)		EU and GHS		EPA-D		0		EU & GHS full reversibility after ... days		3																
Notes:																										

reversible	reversible
(EU/GHS)	(EPA)
3	3
7	7
0	0

#D/W/O	#D/W/O	#D/W/O	#D/W/O
0	0	0	0
0	0	0	0
0	0	0	0
FALSE	FALSE	FALSE	FALSE











Substance	LOOS	no. of animals	Date entry	AS	EU	GH5	EPA	NO	NO	NO	NO													
CAE-NP	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS	EU/AS													
Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation													
Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration													
Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source	Substance source													
Identifications	Identifications	Identifications	Identifications	Identifications	Identifications	Identifications	Identifications	Identifications	Identifications	Identifications	Identifications													
EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU	EU													
GH5	GH5	GH5	GH5	GH5	GH5	GH5	GH5	GH5	GH5	GH5	GH5													
EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA	EPA													
Animal 1	hour	1	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Chemosis																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA	EU & GH5 full reversibility after ... day	7																				
Notes:																								
Animal 2	hour	1	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornea opacity																								
Area involved																								
Lesions																								
Conjunctival redness																								
Chemosis																								
Discharge																								
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Notes:																								
Animal 3	hour	1	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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Notes:																								
Animal 5	hour	1	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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Lesions																								
Conjunctival redness																								
Chemosis																								
Discharge																								
Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)	EU and GH5	EPA	EU & GH5 full reversibility after ... day	7																				
Notes:																								

reversible	reversible
(EU/GHS)	(EPA)
7	0
3	0

#D/W/O	#D/W/O	#D/W/O
FALSE	FALSE	FALSE



Substance	1070	no. of animals	Date entry	AS
CAZ-NF	3	15	15-04	AS
EU				
Collar				
Quantity checked				
Concentration	0.01			
Substance source				
Characteristics				
EU				
GHS				
EPA				

Summary	EU	GHS	EPA	NO	NO
Persistence (YES/NO/?, days)					
Cornea Opacity					
Iris					
Lachrymation					
Chemosis					
Discharge					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)					

Animal 1	hour	EU	GHS	EPA	NO	NO
Cornea Opacity	1					
Iris	1					
Lachrymation	1					
Chemosis	1					
Discharge	1					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	1					
Cornea Opacity	2					
Iris	2					
Lachrymation	2					
Chemosis	2					
Discharge	2					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	2					
Cornea Opacity	3					
Iris	3					
Lachrymation	3					
Chemosis	3					
Discharge	3					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	3					
Cornea Opacity	4					
Iris	4					
Lachrymation	4					
Chemosis	4					
Discharge	4					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	4					

Notes:	mean	cornea of 4?	max. score
	1.00	0	2
	0.00	0	0
	0.00	0	0
	0.33	0	0
	0.00	0	0
	0.00	0	0
	0.67	0	0
	0.33	0	0
	0.00	0	0
	0.67	0	0
	0.33	0	0
	0.33	0	1
	0.00	0	0
	0.00	0	0
	1.00	0	0
	0.33	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0
	#D/W/0	0	0

Animal 2	hour	EU	GHS	EPA	NO	NO
Cornea Opacity	1					
Iris	1					
Lachrymation	1					
Chemosis	1					
Discharge	1					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	1					
Cornea Opacity	2					
Iris	2					
Lachrymation	2					
Chemosis	2					
Discharge	2					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	2					
Cornea Opacity	3					
Iris	3					
Lachrymation	3					
Chemosis	3					
Discharge	3					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	3					
Cornea Opacity	4					
Iris	4					
Lachrymation	4					
Chemosis	4					
Discharge	4					
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?)	4					

SUMMARY																																																																																																																																																																																																																																																																						
Persistence (YES/NO/?, days)		EU		GH5		NO		EPA		NO																																																																																																																																																																																																																																																												
max. cornea	max. skin	mean/median	R05	R04	percentile	Cat. 1	Cat. 2	Cat. 3	max. cornea	max. skin	max. skin																																																																																																																																																																																																																																																											
0.00	0.00	0.00	0	0	0.00	0	0	0	0	0	0																																																																																																																																																																																																																																																											
0.00	0.00	0.00	0	0	0.00	0	0	0	0	0	0																																																																																																																																																																																																																																																											
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0.00	0.00	0.00	0	0	0.00	0	0	0	0	0	0																																																																																																																																																																																																																																																											
<table border="0"> <tr> <td>Animal 1</td> <td>hour</td> <td>1</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> </tr> <tr> <td colspan="22"> <table border="0"> <tr> <td>Cornea Opacity</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area Involved</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Lesions</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Conjunctival Erythema</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemosis</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Discharge</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </td> </tr> <tr> <td colspan="10">Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)</td> <td colspan="2">EPA</td> <td colspan="2">EU &amp; GH5 full reversibility after ... days</td> <td colspan="2">3</td> </tr> <tr> <td colspan="22"> <table border="0"> <tr> <td>mean</td> <td>cornea of 4?</td> <td>max. score</td> </tr> <tr> <td>0.00</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.00</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.00</td> <td>0</td> <td>0</td> </tr> <tr> <td>0.00</td> <td>0</td> <td>0</td> </tr> </table> </td> </tr> <tr> <td colspan="22"> <table border="0"> <tr> <td>Reversible</td> <td>irreversible</td> </tr> <tr> <td>#EU/GH5</td> <td>#EPA</td> </tr> <tr> <td>1</td> <td>3</td> </tr> </table> </td> </tr> </table>	Animal 1	hour	1	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	<table border="0"> <tr> <td>Cornea Opacity</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Area Involved</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Lesions</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Conjunctival Erythema</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Chemosis</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Discharge</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																						Cornea Opacity																						Area Involved																							Lesions																							Conjunctival Erythema																							Chemosis																							Discharge																							Reversible effects at d21 (No = 0; Yes = 1; unknown = ?)										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1	3																																																																																																																																																																																																																																																																					

Notes:	
Animal 2	hour
Animal 3	hour
Animal 4	hour
Animal 5	hour

Notes:	
Animal 2	hour
Animal 3	hour
Animal 4	hour
Animal 5	hour



SUBSTANCE																						
Summary			EU (No = 0, Yes = 1; unknown = ?)				GHS (No = 0, Yes = 1; unknown = ?)				EPA (No = 0, Yes = 1; unknown = ?)											
Persistence (YES/NO/?, days)																						
Concentration																						
Classification																						
EPA																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 1																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
GHS																						
EPA																						
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS																						
EU & GHS full reversibility after ... days: 3																						
Notes:																						
Animal 2																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
GHS																						
EPA																						
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS																						
EU & GHS full reversibility after ... days: 3																						
Notes:																						
Animal 3																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
GHS																						
EPA																						
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS																						
EU & GHS full reversibility after ... days: 3																						
Notes:																						
Animal 4																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
GHS																						
EPA																						
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS																						
EU & GHS full reversibility after ... days: 7																						
Notes:																						
Animal 5																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
GHS																						
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Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS																						
EU & GHS full reversibility after ... days: 3																						
Notes:																						
Animal 6																						
hour	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
GHS																						
EPA																						
Reversible effects at dGT (No = 0; Yes = 1; unknown = ?): EU and GHS																						
EU & GHS full reversibility after ... days: 3																						
Notes:																						

reversible	irreversible
0	0
1	0
2	0
3	0

#D/W/O
0
1
2
3
FALSE







Substance	CAS-Nr	No. of animals	Date of arrival	AS	Date of entry	AS	SUMMARY														EPA	
							EU (YES/NO/?, days)							GHS							EPA	
Chemical name	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)	EU (YES/NO/?, days)			
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

Substance	CAS-Nr	1078	no. of animals		Date entry		AS		SUMMARY	EU	GH5	NO	EPA	NO										
			initial	recovery	initial	recovery	initial	recovery							initial	recovery								
Category	Substance	Concentration	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation										
Animal 1	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 3																								
Animal 2	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 3																								
Animal 3	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 3																								
Animal 4	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 7																								
Animal 5	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 7																								

Substance	CAS-Nr	1078	no. of animals		Date entry		AS		SUMMARY	EU	GH5	NO	EPA	NO										
			initial	recovery	initial	recovery	initial	recovery							initial	recovery								
Category	Substance	Concentration	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation	Formulation										
Animal 1	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 3																								
Animal 2	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 3																								
Animal 3	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 3																								
Animal 4	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 7																								
Animal 5	1	hour	4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cornua Opacity Area involved Lesions Conjunctival Redness Discharge Reversible effects at d0? (No = 0; Yes = 1; unknown = ?) EPA: 0 EU & GH5 full reversibility after ... day: 7																								

Reversible (EU/GHS)	Reversible (EPA)
3	0
3	0
3	0
7	0
7	0
7	0

FALSE

SUBSTANCE CAS-Nr IUPAC CAS-EC Synonyms Classification Substance source	1079	No. of animals		Data entry Date Quality check DMR	AS		Persistence (YES/NO?; days)	EU	NO	GHS	NO	EPA		NO
		USA			EU									
		no. of animals	US-EC		USA	EU								
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	

SUBSTANCE	CAS-Nr	No. of animals		Data entry	AS		Persistence (YES/NO?; days)	EU	NO	GHS	NO	EPA		NO
		USA	EU											
Animal 1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 2	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 3	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 4	1	1	1	1	1	1	1	1	1	1	1	1	1	
Animal 5	1	1	1	1	1	1	1	1	1	1	1	1	1	

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Substance	CAS-Nr	No. of animals	Date entry	AS	EPA	SUMMARY														EPA	NO	NO	day 7-20	day 21	day 4																					
						Perseverance (YES/NO?; days)	EU	NO	GHS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO							NO	NO	NO	NO	NO																
Animal 1	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	mean	median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 3	comae of 4?	max. comae	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score
Animal 2	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	mean	median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 3	comae of 4?	max. comae	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score
Animal 3	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	mean	median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 3	comae of 4?	max. comae	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score
Animal 4	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	mean	median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 3	comae of 4?	max. comae	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score
Animal 5	hour	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	mean	median	RO5	RO4	percentile	Cat. 1	Cat. 2	Cat. 3	comae of 4?	max. comae	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score	comae of 4?	max. score

K76

SUMMARY		EU (NO)		GHS (NO)		EPA (NO)	
Persistence (YES/NO(7, days))							
Cornua Opacity							
les in pellicula Rotundis							
Chondroitis							

max. score	mean	median	RG5	Rd4	percentile	Cat. 1	Cat. 2	Cat. 3	max. score
0	0.00	0.00	0	0	0	0	0	0	0
0	0.00	0.00	0	0	0	0	0	0	0
0	0.00	0.00	0	0	0	0	0	0	0
0	0.00	0.00	0	0	0	0	0	0	0

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

CLASSIFICATION		EU (NO)		GHS (NO)		EPA (NO)	
1001	no. of animals						
	AS						
	US-CL						
	US-CL						
	Quality check						
	Quality control						
	Quality control						
	Quality control						
	Quality control						
	Quality control						

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

hour	day	EU and GHS	EU & GHS full reversibility after ... days
1	1	0	1
1	2	0	1
1	3	0	1
1	4	0	1
1	5	0	1
1	6	0	1
1	7	0	1
1	8	0	1
1	9	0	1
1	10	0	1
1	11	0	1
1	12	0	1
1	13	0	1
1	14	0	1
1	15	0	1
1	16	0	1
1	17	0	1
1	18	0	1

SUBSTANCE		TEST		EU AND GHS		GHS		EPA		SUMMARY	
CAUSE	NO. OF ANIMALS INVOLVED	DATE ENTRY INTO LAB	DURATION	ANIMALS INVOLVED	CAUSE	NO. OF ANIMALS INVOLVED	TEST	ANIMALS INVOLVED	DATE ENTRY INTO LAB	DURATION	ANIMALS INVOLVED
NO.	NO.	DATE	DAYS	NO.	NO.	NO.	NO.	NO.	DATE	DAYS	NO.
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30

**Animal 1**  
 Notes:  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge  
 Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):  
 EU and GHS  
 EPA

**Animal 2**  
 Notes:  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge  
 Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):  
 EU and GHS  
 EPA

**Animal 3**  
 Notes:  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge  
 Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):  
 EU and GHS  
 EPA

**Animal 4**  
 Notes:  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge  
 Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):  
 EU and GHS  
 EPA

**Animal 5**  
 Notes:  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge  
 Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):  
 EU and GHS  
 EPA

**Animal 6**  
 Notes:  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge  
 Reversible effects at d21 (No = 0; Yes = 1; unknown = ?):  
 EU and GHS  
 EPA

Reversible (EU/GHS) (EPA)  
 #D/W/O  
 #D/W/O  
 #D/W/O  
 #D/W/O

max. score  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

mean (median) Cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

EU and GHS  
 EPA

EPA  
 max. cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. score  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. score  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. score  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. score  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. score  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge

max. cornea of 4?  
 Cornea opacity  
 Iris  
 Pupillary Reflex  
 Conjunctival Reflex  
 Chemosis  
 Discharge



Substance	1004	no. of animals	date of arrival	date of entry	AS	SUMMARY	EU	NO	GHS	NO	EPA	NO													
CAUSE						Persistence (YES/NO?, days)																			
Route	3					mean (median, R05, R01, percentile)																			
Material						Cat 2																			
Suspension						Cat 1																			
Concentration	0.01					max. cornea																			
Suspension source						max. iris																			
						max. sclera																			
						max. choroid																			
						max. conjunctiva																			
						max. conjunctiva																			
EU						max. cornea																			
GHS						max. iris																			
EPA						max. sclera																			
						max. choroid																			
						max. conjunctiva																			
						max. conjunctiva																			
Animal 1	hour	1	day	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 2	hour	1	day	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 3	hour	1	day	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 4	hour	1	day	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 5	hour	1	day	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Animal 6	hour	1	day	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

reversible	reversible
(EU/GHS)	(EPA)
3	3

1	
0.98	
0.67	
0.33	
FALSE	





Substance	CAS-Nr	No. of animals	Data entry						Persistence (YES/NO/7 days)							EU				GHS				EPA				max. score			
			EU and GHS	EPAD	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	mean		cornea of 47	max. cornea of 47	cornea of 47
Chemical	EU and GHS	EPAD	day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	0.00	0	0	0	0	0	0
<p>Notes:</p>																															
<p>Animal 2</p>																															
<p>Animal 3</p>																															
<p>Animal 4</p>																															
<p>Animal 5</p>																															
<p>Notes:</p>																															
<p>Animal 6</p>																															
<p>Notes:</p>																															

reversible (EU/GHS)	reversible (EPA)
7	7
7	7
7	7
7	7
7	7

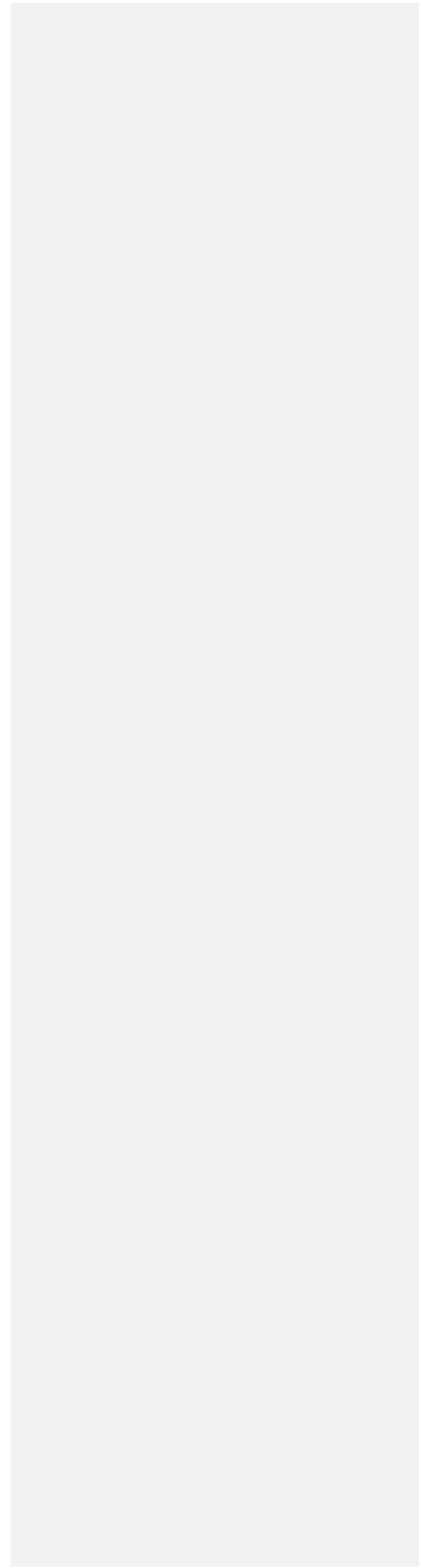
FALSE

SUBSTANCE		1007	EU		GHS		EPA		NO		NO	
SUMMARY		Persepolis (YES/NO) 7, days	EU	NO	NO	NO	Cat 1	Cat 2	Cat 3	Cat 4	max. concn of 4?	max. concn of 4?
		Persepolis (YES/NO) 7, days	mean/median/ RQ5/ Rq4/ percentile	mean/median/ RQ5/ Rq4/ percentile	max. concn of 4?	max. concn of 4?	max. concn of 4?	max. concn of 4?	max. concn of 4?	max. concn of 4?	max. concn of 4?	max. concn of 4?
Persistence (YES/NO) 7, days												
Cornea Opacity												
Iris Opacity												
Lacrimal Reservoir Opacity												
Chlorophyll												
Chlorophyll a												
Chlorophyll b												
Chlorophyll c												
Chlorophyll d												
Chlorophyll e												
Chlorophyll f												
Chlorophyll g												
Chlorophyll h												
Chlorophyll i												
Chlorophyll j												
Chlorophyll k												
Chlorophyll l												
Chlorophyll m												
Chlorophyll n												
Chlorophyll o												
Chlorophyll p												
Chlorophyll q												
Chlorophyll r												
Chlorophyll s												
Chlorophyll t												
Chlorophyll u												
Chlorophyll v												
Chlorophyll w												
Chlorophyll x												
Chlorophyll y												
Chlorophyll z												

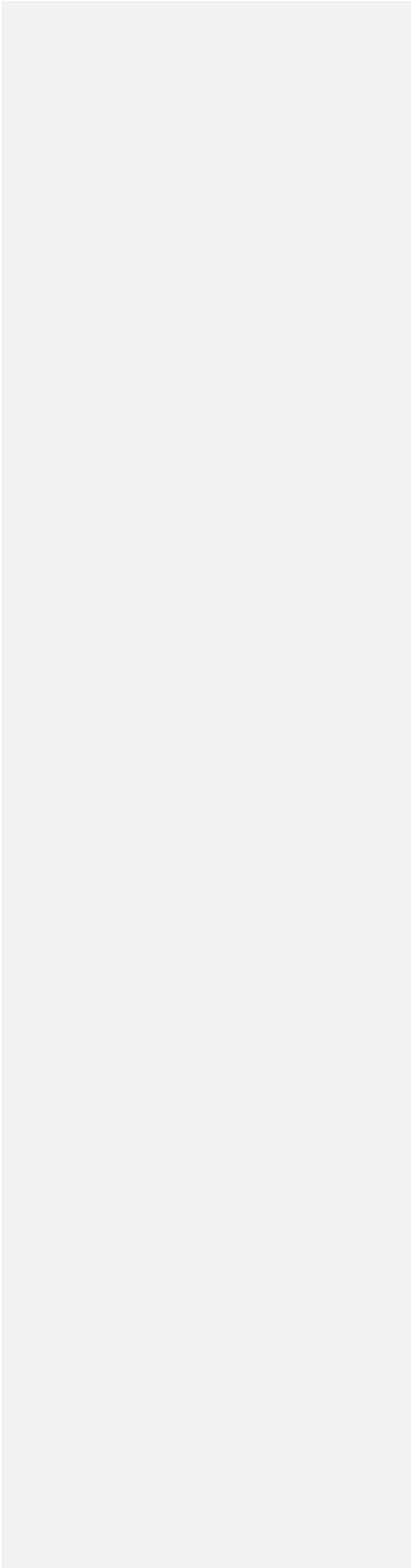
EU/CHS	EU	NO
EPA	EPA	NO

max. concn of 4?   
 0

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**Company # 1 LVET Animal Data**



BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1001	LIQUID	7.5	LVET	1	1	0	0	0	1	0	0
1001	LIQUID	7.5	LVET	1	2	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	1	3	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	1	7	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	2	1	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	2	2	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	2	3	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	2	7	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	3	1	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	3	2	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	3	3	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	3	7	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	4	1	1	4	1	2	1	2
1001	LIQUID	7.5	LVET	4	2	1	4	1	2	1	1
1001	LIQUID	7.5	LVET	4	3	1	1	0	1	0	0
1001	LIQUID	7.5	LVET	4	7	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	5	1	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	5	2	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	5	3	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	5	7	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	6	1	0	0	0	1	1	2
1001	LIQUID	7.5	LVET	6	2	0	0	0	1	1	1
1001	LIQUID	7.5	LVET	6	3	0	0	0	0	0	0
1001	LIQUID	7.5	LVET	6	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1002	LIQUID	14.5	LVET	1	1	2	1	1	2	1	2
1002	LIQUID	14.5	LVET	1	2	2	1	1	2	1	1
1002	LIQUID	14.5	LVET	1	3	0	0	0	1	1	0
1002	LIQUID	14.5	LVET	1	4	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	1	7	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	2	1	1	1	0	1	1	1
1002	LIQUID	14.5	LVET	2	2	2	1	0	0	0	0
1002	LIQUID	14.5	LVET	2	3	2	1	0	0	0	0
1002	LIQUID	14.5	LVET	2	4	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	3	1	1	1	0	1	1	1
1002	LIQUID	14.5	LVET	3	2	1	1	0	1	1	0
1002	LIQUID	14.5	LVET	3	3	0	0	0	2	2	1
1002	LIQUID	14.5	LVET	3	4	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	3	7	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	4	1	1	1	0	1	1	2
1002	LIQUID	14.5	LVET	4	2	1	1	0	1	1	1
1002	LIQUID	14.5	LVET	4	3	0	0	0	1	0	0
1002	LIQUID	14.5	LVET	4	4	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	4	7	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	5	1	1	1	0	1	1	1
1002	LIQUID	14.5	LVET	5	2	1	1	0	1	0	0
1002	LIQUID	14.5	LVET	5	3	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	5	4	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	5	7	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	6	1	0	4	0	1	1	2
1002	LIQUID	14.5	LVET	6	2	1	4	0	1	1	1
1002	LIQUID	14.5	LVET	6	3	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	6	4	0	0	0	0	0	0
1002	LIQUID	14.5	LVET	6	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1003	LIQUID	33.2	LVET	1	1	2	3	0	2	1	2
1003	LIQUID	33.2	LVET	1	2	1	4	0	2	1	1
1003	LIQUID	33.2	LVET	1	3	1	4	0	1	1	1
1003	LIQUID	33.2	LVET	1	4	1	4	0	1	1	0
1003	LIQUID	33.2	LVET	1	7	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	1	14	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	2	1	1	2	0	1	1	0
1003	LIQUID	33.2	LVET	2	2	1	2	0	1	0	0
1003	LIQUID	33.2	LVET	2	3	1	2	0	1	1	0
1003	LIQUID	33.2	LVET	2	4	1	2	0	1	0	0
1003	LIQUID	33.2	LVET	2	7	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	2	14	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	3	1	1	4	0	2	1	2
1003	LIQUID	33.2	LVET	3	2	2	4	0	2	2	2
1003	LIQUID	33.2	LVET	3	3	2	2	0	2	1	2
1003	LIQUID	33.2	LVET	3	4	2	1	0	1	1	0
1003	LIQUID	33.2	LVET	3	7	2	1	0	1	0	0
1003	LIQUID	33.2	LVET	3	14	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	4	1	1	4	1	2	1	2
1003	LIQUID	33.2	LVET	4	2	2	4	1	2	1	2
1003	LIQUID	33.2	LVET	4	3	2	3	1	2	2	2
1003	LIQUID	33.2	LVET	4	4	2	2	0	1	1	1
1003	LIQUID	33.2	LVET	4	7	1	1	0	0	0	0
1003	LIQUID	33.2	LVET	4	14	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	5	1	1	4	0	2	1	1
1003	LIQUID	33.2	LVET	5	2	1	4	0	1	1	1
1003	LIQUID	33.2	LVET	5	3	1	2	0	1	1	1
1003	LIQUID	33.2	LVET	5	4	1	2	0	1	0	0
1003	LIQUID	33.2	LVET	5	7	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	5	14	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	6	1	1	4	1	2	2	1
1003	LIQUID	33.2	LVET	6	2	1	4	0	1	1	1
1003	LIQUID	33.2	LVET	6	3	1	1	0	1	1	1
1003	LIQUID	33.2	LVET	6	4	1	1	0	1	0	0
1003	LIQUID	33.2	LVET	6	7	0	0	0	0	0	0
1003	LIQUID	33.2	LVET	6	14	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1004	LIQUID	21.7	LVET	1	1	1	3	0	2	0	1
1004	LIQUID	21.7	LVET	1	2	1	2	0	2	0	0
1004	LIQUID	21.7	LVET	1	3	1	2	0	2	0	0
1004	LIQUID	21.7	LVET	1	4	1	2	0	2	0	0
1004	LIQUID	21.7	LVET	1	7	0	0	0	0	0	0
1004	LIQUID	21.7	LVET	2	1	1	4	0	2	1	0
1004	LIQUID	21.7	LVET	2	2	1	3	0	1	1	0
1004	LIQUID	21.7	LVET	2	3	0	3	0	1	0	0
1004	LIQUID	21.7	LVET	2	4	0	2	0	0	0	0
1004	LIQUID	21.7	LVET	2	7	0	0	0	0	0	0
1004	LIQUID	21.7	LVET	3	1	1	2	0	2	2	0
1004	LIQUID	21.7	LVET	3	2	1	2	0	2	2	0
1004	LIQUID	21.7	LVET	3	3	0	2	0	2	1	0
1004	LIQUID	21.7	LVET	3	4	0	2	0	2	1	0
1004	LIQUID	21.7	LVET	3	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1005	LIQUID	38.3	LVET	1	1	1	4	0	2	0	1
1005	LIQUID	38.3	LVET	1	2	1	3	1	2	1	1
1005	LIQUID	38.3	LVET	1	3	1	4	1	1	1	1
1005	LIQUID	38.3	LVET	1	4	1	4	0	1	0	1
1005	LIQUID	38.3	LVET	1	7	0	0	0	0	0	0
1005	LIQUID	38.3	LVET	1	14	0	0	0	0	0	0
1005	LIQUID	38.3	LVET	1	21	0	0	0	0	0	0
1005	LIQUID	38.3	LVET	2	1	1	3	0	2	1	0
1005	LIQUID	38.3	LVET	2	2	1	3	0	2	1	0
1005	LIQUID	38.3	LVET	2	3	2	3	0	2	1	0
1005	LIQUID	38.3	LVET	2	4	1	3	0	1	0	0
1005	LIQUID	38.3	LVET	2	7	0	3	0	1	0	0
1005	LIQUID	38.3	LVET	2	14	0	0	0	0	0	0
1005	LIQUID	38.3	LVET	2	21	0	0	0	0	0	0
1005	LIQUID	38.3	LVET	3	1	2	4	0	2	2	2
1005	LIQUID	38.3	LVET	3	2	2	4	0	2	2	1
1005	LIQUID	38.3	LVET	3	3	2	4	0	2	1	1
1005	LIQUID	38.3	LVET	3	4	2	4	0	1	0	0
1005	LIQUID	38.3	LVET	3	7	1	4	0	1	0	0
1005	LIQUID	38.3	LVET	3	14	1	2	0	0	0	0
1005	LIQUID	38.3	LVET	3	21	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1006	LIQUID	4.7	LVET	1	1	0	0	0	2	0	1
1006	LIQUID	4.7	LVET	1	2	0	0	0	1	0	0
1006	LIQUID	4.7	LVET	1	3	0	0	0	1	0	0
1006	LIQUID	4.7	LVET	1	4	0	0	0	0	0	0
1006	LIQUID	4.7	LVET	2	1	0	4	0	1	1	0
1006	LIQUID	4.7	LVET	2	2	0	0	0	1	0	0
1006	LIQUID	4.7	LVET	2	3	0	0	0	0	0	0
1006	LIQUID	4.7	LVET	2	4	0	0	0	0	0	0
1006	LIQUID	4.7	LVET	3	1	0	1	0	2	0	0
1006	LIQUID	4.7	LVET	3	2	0	0	0	1	0	0
1006	LIQUID	4.7	LVET	3	3	0	0	0	0	0	0
1006	LIQUID	4.7	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1007	LIQUID	35.3	LVET	1	1	1	4	1	2	1	3
1007	LIQUID	35.3	LVET	1	2	1	4	0	2	0	0
1007	LIQUID	35.3	LVET	1	3	0	0	0	1	0	0
1007	LIQUID	35.3	LVET	1	4	0	0	0	0	0	0
1007	LIQUID	35.3	LVET	1	7	0	0	0	0	0	0
1007	LIQUID	35.3	LVET	2	1	1	4	1	2	0	3
1007	LIQUID	35.3	LVET	2	2	1	4	1	2	0	1
1007	LIQUID	35.3	LVET	2	3	1	4	1	2	0	1
1007	LIQUID	35.3	LVET	2	4	0	0	0	0	0	0
1007	LIQUID	35.3	LVET	2	7	0	0	0	0	0	0
1007	LIQUID	35.3	LVET	3	1	1	4	0	2	2	3
1007	LIQUID	35.3	LVET	3	2	1	4	0	1	0	2
1007	LIQUID	35.3	LVET	3	3	1	4	0	1	0	1
1007	LIQUID	35.3	LVET	3	4	0	0	0	0	0	0
1007	LIQUID	35.3	LVET	3	7	0	0	0	0	0	0



BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1008	LIQUID	14.3	LVET	1	1	0	4	0	2	0	1
1008	LIQUID	14.3	LVET	1	2	1	2	0	2	0	1
1008	LIQUID	14.3	LVET	1	3	1	2	0	2	0	1
1008	LIQUID	14.3	LVET	1	4	1	2	0	2	0	1
1008	LIQUID	14.3	LVET	1	7	0	0	0	0	0	0
1008	LIQUID	14.3	LVET	2	1	0	4	0	1	2	2
1008	LIQUID	14.3	LVET	2	2	0	4	0	1	1	1
1008	LIQUID	14.3	LVET	2	3	0	4	0	1	0	1
1008	LIQUID	14.3	LVET	2	4	0	2	0	0	0	0
1008	LIQUID	14.3	LVET	2	7	0	0	0	0	0	0
1008	LIQUID	14.3	LVET	3	1	1	2	0	2	1	0
1008	LIQUID	14.3	LVET	3	2	1	3	0	2	1	0
1008	LIQUID	14.3	LVET	3	3	1	3	0	2	0	0
1008	LIQUID	14.3	LVET	3	4	0	2	0	1	0	0
1008	LIQUID	14.3	LVET	3	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1009	LIQUID	16.9	LVET	1	1	1	4	0	2	1	1
1009	LIQUID	16.9	LVET	1	2	1	4	0	2	0	0
1009	LIQUID	16.9	LVET	1	3	1	4	0	1	0	0
1009	LIQUID	16.9	LVET	1	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	1	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	2	1	0	0	0	2	0	1
1009	LIQUID	16.9	LVET	2	2	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	2	3	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	2	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	2	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	3	1	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	3	2	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	3	3	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	3	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	3	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	4	1	0	0	0	1	1	1
1009	LIQUID	16.9	LVET	4	2	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	4	3	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	4	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	4	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	5	1	1	4	0	1	1	1
1009	LIQUID	16.9	LVET	5	2	1	2	0	1	0	0
1009	LIQUID	16.9	LVET	5	3	1	2	0	0	0	0
1009	LIQUID	16.9	LVET	5	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	5	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	6	1	0	0	0	2	1	2
1009	LIQUID	16.9	LVET	6	2	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	6	3	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	6	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	6	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	7	1	1	4	1	2	1	3
1009	LIQUID	16.9	LVET	7	2	1	4	1	3	1	3
1009	LIQUID	16.9	LVET	7	3	1	4	1	2	1	2
1009	LIQUID	16.9	LVET	7	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	7	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	8	1	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	8	2	0	0	0	1	0	0
1009	LIQUID	16.9	LVET	8	3	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	8	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	8	7	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	9	1	1	4	1	1	1	3
1009	LIQUID	16.9	LVET	9	2	1	4	1	1	0	2
1009	LIQUID	16.9	LVET	9	3	1	4	1	1	0	1
1009	LIQUID	16.9	LVET	9	4	0	0	0	0	0	0
1009	LIQUID	16.9	LVET	9	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1010	LIQUID	42.5	LVET	1	1	2	2	0	2	2	2
1010	LIQUID	42.5	LVET	1	2	1	2	0	2	1	1
1010	LIQUID	42.5	LVET	1	3	1	2	0	2	0	1
1010	LIQUID	42.5	LVET	1	4	2	3	0	1	1	1
1010	LIQUID	42.5	LVET	1	7	2	3	0	1	0	1
1010	LIQUID	42.5	LVET	1	14	4	3	0	2	1	1
1010	LIQUID	42.5	LVET	1	21	4	3	0	2	1	0
1010	LIQUID	42.5	LVET	2	1	1	3	0	2	1	1
1010	LIQUID	42.5	LVET	2	2	1	3	0	2	1	1
1010	LIQUID	42.5	LVET	2	3	1	3	0	1	1	1
1010	LIQUID	42.5	LVET	2	4	1	3	0	1	1	1
1010	LIQUID	42.5	LVET	2	7	0	0	0	0	0	0
1010	LIQUID	42.5	LVET	3	1	1	2	0	2	1	1
1010	LIQUID	42.5	LVET	3	2	1	2	0	1	1	1
1010	LIQUID	42.5	LVET	3	3	1	2	0	2	1	2
1010	LIQUID	42.5	LVET	3	4	1	3	0	2	1	2
1010	LIQUID	42.5	LVET	3	7	1	3	0	1	0	0
1010	LIQUID	42.5	LVET	3	14	3	1	0	1	0	0
1010	LIQUID	42.5	LVET	3	21	1	1	0	1	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1011	LIQUID	19	LVET	1	1	1	4	0	2	0	1
1011	LIQUID	19	LVET	1	2	1	4	0	2	1	1
1011	LIQUID	19	LVET	1	3	1	4	0	2	1	1
1011	LIQUID	19	LVET	1	4	1	3	0	2	1	1
1011	LIQUID	19	LVET	1	7	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	8	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	9	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	10	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	11	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	12	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	13	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	14	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	15	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	16	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	17	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	18	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	19	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	20	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	21	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	22	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	23	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	24	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	25	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	26	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	27	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	28	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	29	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	30	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	31	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	32	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	33	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	34	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	35	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	36	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	37	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	38	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	39	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	40	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	41	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	42	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	43	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	44	0	0	0	0	0	0
1011	LIQUID	19	LVET	1	45	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	1	0	4	0	2	0	1
1011	LIQUID	19	LVET	2	2	0	4	0	2	0	1
1011	LIQUID	19	LVET	2	3	0	4	0	2	0	1
1011	LIQUID	19	LVET	2	4	0	0	0	1	0	0
1011	LIQUID	19	LVET	2	7	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	8	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	9	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	10	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	11	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	12	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	13	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	14	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	15	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	16	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	17	0	0	0	0	0	0

1011	LIQUID	19	LVET	2	18	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	19	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	20	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	21	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	22	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	23	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	24	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	25	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	26	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	27	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	28	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	29	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	30	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	31	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	32	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	33	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	34	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	35	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	36	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	37	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	38	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	39	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	40	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	41	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	42	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	43	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	44	0	0	0	0	0	0
1011	LIQUID	19	LVET	2	45	0	0	0	0	0	0
1011	LIQUID	19	LVET	3	1	1	3	0	2	1	1
1011	LIQUID	19	LVET	3	2	1	3	0	2	1	1
1011	LIQUID	19	LVET	3	3	1	3	0	2	1	1
1011	LIQUID	19	LVET	3	4	1	3	0	1	0	0
1011	LIQUID	19	LVET	3	7	1	1	0	2	1	0
1011	LIQUID	19	LVET	3	8	1	1	0	2	1	0
1011	LIQUID	19	LVET	3	9	1	1	0	2	1	1
1011	LIQUID	19	LVET	3	10	1	2	1	2	1	1
1011	LIQUID	19	LVET	3	11	1	2	1	2	1	1
1011	LIQUID	19	LVET	3	12	1	1	0	2	1	0
1011	LIQUID	19	LVET	3	13	2	2	0	2	1	0
1011	LIQUID	19	LVET	3	14	2	2	0	2	1	1
1011	LIQUID	19	LVET	3	15	2	2	0	1	1	1
1011	LIQUID	19	LVET	3	16	3	2	0	1	1	0
1011	LIQUID	19	LVET	3	17	4	2	0	1	1	0
1011	LIQUID	19	LVET	3	18	4	2	0	1	1	0
1011	LIQUID	19	LVET	3	19	4	2	0	1	1	0
1011	LIQUID	19	LVET	3	20	4	2	0	1	1	0
1011	LIQUID	19	LVET	3	21	4	2	0	0	0	0
1011	LIQUID	19	LVET	3	22	4	2	0	0	0	0
1011	LIQUID	19	LVET	3	23	4	2	0	0	0	0
1011	LIQUID	19	LVET	3	24	4	1	0	0	0	0
1011	LIQUID	19	LVET	3	25	2	1	0	0	0	0
1011	LIQUID	19	LVET	3	26	2	1	0	0	0	0
1011	LIQUID	19	LVET	3	27	2	1	0	0	0	0
1011	LIQUID	19	LVET	3	28	2	1	0	0	0	0
1011	LIQUID	19	LVET	3	29	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	30	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	31	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	32	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	33	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	34	1	1	0	0	0	0

1011	LIQUID	19	LVET	3	35	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	36	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	37	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	38	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	39	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	40	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	41	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	42	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	43	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	44	1	1	0	0	0	0
1011	LIQUID	19	LVET	3	45	1	1	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1012	LIQUID	38.33	LVET	1	1	1	4	0	2	0	1
1012	LIQUID	38.33	LVET	1	2	1	3	1	2	1	1
1012	LIQUID	38.33	LVET	1	3	1	4	1	1	1	1
1012	LIQUID	38.33	LVET	1	4	1	4	0	1	0	1
1012	LIQUID	38.33	LVET	1	7	0	0	0	0	0	0
1012	LIQUID	38.33	LVET	2	1	1	3	0	2	1	0
1012	LIQUID	38.33	LVET	2	2	1	3	0	2	1	0
1012	LIQUID	38.33	LVET	2	3	2	3	0	2	1	0
1012	LIQUID	38.33	LVET	2	4	1	3	0	1	0	0
1012	LIQUID	38.33	LVET	2	7	0	3	0	1	0	0
1012	LIQUID	38.33	LVET	2	14	0	0	0	0	0	0
1012	LIQUID	38.33	LVET	3	1	2	4	0	2	2	2
1012	LIQUID	38.33	LVET	3	2	2	4	0	2	2	1
1012	LIQUID	38.33	LVET	3	3	2	4	0	2	1	1
1012	LIQUID	38.33	LVET	3	4	2	4	0	1	0	0
1012	LIQUID	38.33	LVET	3	7	1	4	0	1	0	0
1012	LIQUID	38.33	LVET	3	14	1	2	0	0	0	0
1012	LIQUID	38.33	LVET	3	21	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1013	LIQUID	21.67	LVET	1	1	1	3	0	2	0	1
1013	LIQUID	21.67	LVET	1	2	1	2	0	2	0	0
1013	LIQUID	21.67	LVET	1	3	1	2	0	2	0	0
1013	LIQUID	21.67	LVET	1	4	0	2	0	2	0	0
1013	LIQUID	21.67	LVET	1	7	0	0	0	0	0	0
1013	LIQUID	21.67	LVET	2	1	1	4	0	2	1	0
1013	LIQUID	21.67	LVET	2	2	1	3	0	1	1	0
1013	LIQUID	21.67	LVET	2	3	0	3	0	1	0	0
1013	LIQUID	21.67	LVET	2	4	0	2	0	0	0	0
1013	LIQUID	21.67	LVET	2	7	0	0	0	0	0	0
1013	LIQUID	21.67	LVET	3	1	1	2	0	2	2	0
1013	LIQUID	21.67	LVET	3	2	1	2	0	2	2	0
1013	LIQUID	21.67	LVET	3	3	0	2	0	2	1	0
1013	LIQUID	21.67	LVET	3	4	0	2	0	2	1	0
1013	LIQUID	21.67	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1014	LIQUID	4.667	LVET	1	1	0	0	0	2	0	1
1014	LIQUID	4.667	LVET	1	2	0	0	0	1	0	0
1014	LIQUID	4.667	LVET	1	3	0	0	0	1	0	0
1014	LIQUID	4.667	LVET	1	4	0	0	0	0	0	0
1014	LIQUID	4.667	LVET	2	1	0	1	0	2	0	0
1014	LIQUID	4.667	LVET	2	2	0	0	0	1	0	0
1014	LIQUID	4.667	LVET	2	3	0	0	0	0	0	0
1014	LIQUID	4.667	LVET	3	1	0	4	0	1	1	0
1014	LIQUID	4.667	LVET	3	2	0	0	0	1	0	0
1014	LIQUID	4.667	LVET	3	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1015	LIQUID	12	LVET	1	1	1	4	0	2	0	1
1015	LIQUID	12	LVET	1	2	0	0	0	2	1	0
1015	LIQUID	12	LVET	1	3	0	4	0	1	0	0
1015	LIQUID	12	LVET	1	4	0	4	0	1	0	0
1015	LIQUID	12	LVET	1	7	0	0	0	0	0	0
1015	LIQUID	12	LVET	2	1	0	4	0	2	1	0
1015	LIQUID	12	LVET	2	2	0	3	0	1	0	0
1015	LIQUID	12	LVET	2	3	0	2	0	1	0	0
1015	LIQUID	12	LVET	2	4	0	0	0	0	0	0
1015	LIQUID	12	LVET	3	1	0	4	0	1	1	0
1015	LIQUID	12	LVET	3	2	0	3	0	1	0	0
1015	LIQUID	12	LVET	3	3	0	3	0	1	0	0
1015	LIQUID	12	LVET	3	4	0	2	0	1	0	0
1015	LIQUID	12	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1016	LIQUID	14.33	LVET	1	1	0	4	0	2	0	1
1016	LIQUID	14.33	LVET	1	2	1	2	0	2	0	1
1016	LIQUID	14.33	LVET	1	3	1	2	0	2	0	1
1016	LIQUID	14.33	LVET	1	4	1	2	0	2	0	1
1016	LIQUID	14.33	LVET	1	7	0	0	0	0	0	0
1016	LIQUID	14.33	LVET	2	1	0	4	0	1	2	2
1016	LIQUID	14.33	LVET	2	2	0	4	0	1	1	1
1016	LIQUID	14.33	LVET	2	3	0	4	0	1	0	1
1016	LIQUID	14.33	LVET	2	4	0	2	0	0	0	0
1016	LIQUID	14.33	LVET	2	7	0	0	0	0	0	0
1016	LIQUID	14.33	LVET	3	1	1	2	0	2	1	0
1016	LIQUID	14.33	LVET	3	2	1	3	0	2	1	0
1016	LIQUID	14.33	LVET	3	3	1	3	0	2	0	0
1016	LIQUID	14.33	LVET	3	4	0	2	0	1	0	0
1016	LIQUID	14.33	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1017	LIQUID	35.33	LVET	1	1	1	4	1	2	1	3
1017	LIQUID	35.33	LVET	1	2	1	4	0	2	0	0
1017	LIQUID	35.33	LVET	1	3	0	0	0	1	0	0
1017	LIQUID	35.33	LVET	1	7	0	0	0	0	0	0
1017	LIQUID	35.33	LVET	2	1	1	4	1	2	0	3
1017	LIQUID	35.33	LVET	2	2	1	4	1	2	0	1
1017	LIQUID	35.33	LVET	2	3	1	4	1	2	0	1
1017	LIQUID	35.33	LVET	2	7	0	0	0	0	0	0
1017	LIQUID	35.33	LVET	3	1	1	4	0	2	2	3
1017	LIQUID	35.33	LVET	3	2	1	4	0	1	0	2
1017	LIQUID	35.33	LVET	3	3	1	4	0	1	0	1
1017	LIQUID	35.33	LVET	3	7	0	0	0	0	0	0



BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1018	LIQUID	24.67	LVET	1	1	1	4	1	2	1	3
1018	LIQUID	24.67	LVET	1	2	1	4	1	3	1	3
1018	LIQUID	24.67	LVET	1	3	1	4	1	2	1	2
1018	LIQUID	24.67	LVET	1	7	0	0	0	0	0	0
1018	LIQUID	24.67	LVET	2	1	0	0	0	1	0	0
1018	LIQUID	24.67	LVET	2	2	0	0	0	1	0	0
1018	LIQUID	24.67	LVET	2	3	0	0	0	0	0	0
1018	LIQUID	24.67	LVET	2	7	0	0	0	0	0	0
1018	LIQUID	24.67	LVET	3	1	1	4	1	1	1	3
1018	LIQUID	24.67	LVET	3	2	1	4	1	1	0	2
1018	LIQUID	24.67	LVET	3	3	1	4	1	1	0	1
1018	LIQUID	24.67	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1019	LIQUID	65	LVET	1	1	1	4	1	2	2	3
1019	LIQUID	65	LVET	1	2	2	4	1	3	2	3
1019	LIQUID	65	LVET	1	3	2	4	1	3	2	2
1019	LIQUID	65	LVET	1	4	2	4	1	2	2	1
1019	LIQUID	65	LVET	1	7	1	3	0	2	1	0
1019	LIQUID	65	LVET	1	10	1	2	0	1	0	0
1019	LIQUID	65	LVET	1	14	1	2	1	1	1	1
1019	LIQUID	65	LVET	1	21	2	1	0	0	1	0
1019	LIQUID	65	LVET	1	28	2	1	0	0	0	0
1019	LIQUID	65	LVET	1	35	2	1	1	0	0	0
1019	LIQUID	65	LVET	2	1	1	4	1	2	2	2
1019	LIQUID	65	LVET	2	2	1	4	1	2	2	1
1019	LIQUID	65	LVET	2	3	3	4	1	3	2	3
1019	LIQUID	65	LVET	2	4	2	4	1	2	2	1
1019	LIQUID	65	LVET	2	7	2	3	0	2	1	0
1019	LIQUID	65	LVET	2	10	2	2	0	2	1	0
1019	LIQUID	65	LVET	2	14	1	1	0	2	1	0
1019	LIQUID	65	LVET	2	21	1	1	0	0	0	0
1019	LIQUID	65	LVET	2	28	1	1	0	1	0	0
1019	LIQUID	65	LVET	2	35	1	1	0	0	0	0
1019	LIQUID	65	LVET	3	1	2	4	1	2	2	3
1019	LIQUID	65	LVET	3	2	2	4	1	3	2	2
1019	LIQUID	65	LVET	3	3	2	4	1	2	1	2
1019	LIQUID	65	LVET	3	4	1	4	1	2	1	0
1019	LIQUID	65	LVET	3	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1020	LIQUID	45	LVET	1	1	2	2	1	2	2	2
1020	LIQUID	45	LVET	1	2	2	2	1	2	1	1
1020	LIQUID	45	LVET	1	3	0	0	0	1	1	0
1020	LIQUID	45	LVET	1	4	0	0	0	1	1	0
1020	LIQUID	45	LVET	1	7	0	0	0	0	0	0
1020	LIQUID	45	LVET	2	1	2	3	1	3	2	2
1020	LIQUID	45	LVET	2	2	2	2	1	3	2	2
1020	LIQUID	45	LVET	2	3	2	2	1	3	2	1
1020	LIQUID	45	LVET	2	4	2	2	0	2	2	0
1020	LIQUID	45	LVET	2	7	2	2	0	2	2	0
1020	LIQUID	45	LVET	2	10	2	1	0	2	2	0
1020	LIQUID	45	LVET	2	14	1	1	0	1	1	0
1020	LIQUID	45	LVET	2	21	0	0	0	1	0	0
1020	LIQUID	45	LVET	3	1	2	3	1	3	2	2
1020	LIQUID	45	LVET	3	2	2	4	1	3	2	2
1020	LIQUID	45	LVET	3	3	2	4	1	3	2	1
1020	LIQUID	45	LVET	3	4	3	4	1	3	2	1
1020	LIQUID	45	LVET	3	7	3	4	1	3	2	1
1020	LIQUID	45	LVET	3	10	3	4	1	3	2	2
1020	LIQUID	45	LVET	3	14	3	3	0	2	2	2
1020	LIQUID	45	LVET	3	21	3	3	0	2	2	1
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1021	GRANULE	5.5	LVET	1	1	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	1	2	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	1	3	0	0	0	0	0	0
1021	GRANULE	5.5	LVET	2	1	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	2	2	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	2	3	0	0	0	0	0	0
1021	GRANULE	5.5	LVET	3	1	0	0	1	2	1	0
1021	GRANULE	5.5	LVET	3	2	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	3	3	0	0	0	0	0	0
1021	GRANULE	5.5	LVET	4	1	0	0	0	2	1	0
1021	GRANULE	5.5	LVET	4	2	0	0	0	1	0	0
1021	GRANULE	5.5	LVET	4	3	0	0	0	0	0	0
1021	GRANULE	5.5	LVET	5	1	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	5	2	0	0	0	0	0	0
1021	GRANULE	5.5	LVET	6	1	0	0	0	1	1	0
1021	GRANULE	5.5	LVET	6	2	0	0	0	1	0	0
1021	GRANULE	5.5	LVET	6	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1022	LIQUID	22.83	LVET	1	1	1	1	0	3	2	0
1022	LIQUID	22.83	LVET	1	2	1	1	0	2	1	0
1022	LIQUID	22.83	LVET	1	3	0	0	0	1	1	0
1022	LIQUID	22.83	LVET	1	4	0	0	0	0	0	0
1022	LIQUID	22.83	LVET	2	1	1	1	0	3	2	0
1022	LIQUID	22.83	LVET	2	2	1	1	0	2	1	0
1022	LIQUID	22.83	LVET	2	3	1	2	1	2	1	0
1022	LIQUID	22.83	LVET	2	4	1	2	1	2	1	0
1022	LIQUID	22.83	LVET	2	7	1	1	0	1	0	0
1022	LIQUID	22.83	LVET	2	14	1	1	0	0	0	0
1022	LIQUID	22.83	LVET	2	21	0	0	0	0	0	0
1022	LIQUID	22.83	LVET	3	1	1	2	1	3	2	3
1022	LIQUID	22.83	LVET	3	2	1	2	1	3	2	0
1022	LIQUID	22.83	LVET	3	3	1	2	1	3	2	2
1022	LIQUID	22.83	LVET	3	4	1	2	1	3	2	2
1022	LIQUID	22.83	LVET	3	7	2	3	1	3	2	2
1022	LIQUID	22.83	LVET	3	14	1	1	0	0	0	0
1022	LIQUID	22.83	LVET	3	21	1	1	0	0	0	0
1022	LIQUID	22.83	LVET	4	1	1	1	1	3	2	0
1022	LIQUID	22.83	LVET	4	2	1	2	1	3	1	0
1022	LIQUID	22.83	LVET	4	3	1	2	1	3	1	0
1022	LIQUID	22.83	LVET	4	4	1	2	1	2	1	0
1022	LIQUID	22.83	LVET	4	7	1	1	0	1	0	0
1022	LIQUID	22.83	LVET	4	14	0	0	0	0	0	0
1022	LIQUID	22.83	LVET	5	1	1	2	1	3	2	2
1022	LIQUID	22.83	LVET	5	2	1	2	1	3	3	1
1022	LIQUID	22.83	LVET	5	3	1	2	1	2	1	0
1022	LIQUID	22.83	LVET	5	4	1	2	0	2	1	0
1022	LIQUID	22.83	LVET	5	7	0	0	0	0	0	0
1022	LIQUID	22.83	LVET	6	1	1	2	1	3	2	1
1022	LIQUID	22.83	LVET	6	2	1	1	0	2	1	0
1022	LIQUID	22.83	LVET	6	3	1	1	0	2	1	0
1022	LIQUID	22.83	LVET	6	4	0	0	0	1	0	0
1022	LIQUID	22.83	LVET	6	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1023	LIQUID	45	LVET	1	1	1	4	1	3	3	3
1023	LIQUID	45	LVET	1	2	1	4	1	3	2	1
1023	LIQUID	45	LVET	1	3	1	4	2	3	2	1
1023	LIQUID	45	LVET	1	4	1	2	0	2	1	1
1023	LIQUID	45	LVET	1	7	0	0	0	0	0	0
1023	LIQUID	45	LVET	2	1	1	4	1	3	2	2
1023	LIQUID	45	LVET	2	2	1	3	1	2	1	1
1023	LIQUID	45	LVET	2	3	1	2	0	1	0	1
1023	LIQUID	45	LVET	2	4	0	0	0	1	0	0
1023	LIQUID	45	LVET	2	7	0	0	0	0	0	0
1023	LIQUID	45	LVET	3	1	1	4	1	3	3	3
1023	LIQUID	45	LVET	3	2	1	4	1	3	1	2
1023	LIQUID	45	LVET	3	3	1	3	0	2	1	1
1023	LIQUID	45	LVET	3	4	1	1	0	2	1	1
1023	LIQUID	45	LVET	3	7	0	0	0	1	0	0
1023	LIQUID	45	LVET	3	14	0	0	0	0	0	0
1023	LIQUID	45	LVET	4	1	2	3	2	3	3	3
1023	LIQUID	45	LVET	4	2	2	3	2	3	3	2
1023	LIQUID	45	LVET	4	3	2	2	2	3	3	2
1023	LIQUID	45	LVET	4	4	2	2	1	2	2	1
1023	LIQUID	45	LVET	4	7	0	0	0	1	1	0
1023	LIQUID	45	LVET	4	14	0	0	0	0	0	0
1023	LIQUID	45	LVET	5	1	1	4	2	3	3	3
1023	LIQUID	45	LVET	5	2	1	4	2	3	2	2
1023	LIQUID	45	LVET	5	3	1	4	1	3	2	2
1023	LIQUID	45	LVET	5	4	1	3	0	2	1	1
1023	LIQUID	45	LVET	5	7	0	0	0	1	0	0
1023	LIQUID	45	LVET	5	14	0	0	0	0	0	0
1023	LIQUID	45	LVET	6	1	1	4	1	2	2	3
1023	LIQUID	45	LVET	6	2	1	3	1	3	1	1
1023	LIQUID	45	LVET	6	3	1	2	0	1	0	0
1023	LIQUID	45	LVET	6	4	1	1	0	1	0	0
1023	LIQUID	45	LVET	6	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1024	LIQUID	55.67	LVET	1	1	2	4	1	2	2	1
1024	LIQUID	55.67	LVET	1	2	2	3	1	2	1	0
1024	LIQUID	55.67	LVET	1	3	2	3	1	2	1	0
1024	LIQUID	55.67	LVET	1	4	2	1	1	2	1	0
1024	LIQUID	55.67	LVET	1	7	0	0	1	1	1	0
1024	LIQUID	55.67	LVET	1	14	0	0	1	1	0	0
1024	LIQUID	55.67	LVET	1	21	0	0	1	0	0	0
1024	LIQUID	55.67	LVET	1	28	0	0	0	0	0	0
1024	LIQUID	55.67	LVET	2	1	2	4	1	2	2	1
1024	LIQUID	55.67	LVET	2	2	2	3	1	2	1	0
1024	LIQUID	55.67	LVET	2	3	2	2	1	2	1	0
1024	LIQUID	55.67	LVET	2	4	2	2	1	2	1	0
1024	LIQUID	55.67	LVET	2	7	2	1	1	1	1	0
1024	LIQUID	55.67	LVET	2	14	1	1	0	1	0	0
1024	LIQUID	55.67	LVET	2	21	0	0	0	0	0	0
1024	LIQUID	55.67	LVET	3	1	2	4	1	2	2	2
1024	LIQUID	55.67	LVET	3	2	2	4	1	2	2	1
1024	LIQUID	55.67	LVET	3	3	2	3	1	2	2	1
1024	LIQUID	55.67	LVET	3	4	2	3	1	2	2	1
1024	LIQUID	55.67	LVET	3	7	2	2	0	2	1	0
1024	LIQUID	55.67	LVET	3	14	2	2	0	1	1	0
1024	LIQUID	55.67	LVET	3	21	2	2	0	1	1	0
1024	LIQUID	55.67	LVET	3	28	1	1	0	0	1	0
1024	LIQUID	55.67	LVET	3	35	1	1	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1024	SEMI-VISCOUS LIQUID	10.17	LVET	1	1	0	0	0	1	1	0
1024	SEMI-VISCOUS LIQUID	10.17	LVET	1	2	0	0	0	1	1	0
1024	SEMI-VISCOUS LIQUID	10.17	LVET	1	3	0	0	0	0	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	2	1	0	0	0	3	2	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	2	2	0	0	0	2	1	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	2	3	0	0	0	0	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	3	1	0	0	0	2	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	3	2	0	0	0	1	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	3	3	0	0	0	0	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	4	1	0	0	1	3	1	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	4	2	0	0	0	2	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	4	3	0	0	0	0	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	5	1	1	1	1	3	3	2
1025	SEMI-VISCOUS LIQUID	10.17	LVET	5	2	1	1	1	2	1	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	5	3	0	0	0	1	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	5	4	0	0	0	1	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	5	7	0	0	0	0	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	6	1	0	0	0	1	1	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	6	2	0	0	0	1	0	0
1025	SEMI-VISCOUS LIQUID	10.17	LVET	6	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1026	SEMI-VISCOUS LIQUID	27.17	LVET	1	1	2	1	1	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	1	2	0	0	0	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	1	3	0	0	0	1	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	1	4	0	0	0	0	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	2	1	2	1	1	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	2	2	2	1	0	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	2	3	0	0	0	1	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	2	4	0	0	0	1	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	2	7	0	0	0	0	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	3	1	2	1	1	2	2	1
1026	SEMI-VISCOUS LIQUID	27.17	LVET	3	2	2	1	0	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	3	3	0	0	0	1	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	3	4	0	0	0	0	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	4	1	2	3	1	2	2	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	4	2	2	2	1	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	4	3	2	1	0	1	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	4	4	2	1	0	1	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	4	7	0	0	0	0	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	5	1	2	1	0	2	2	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	5	2	2	1	0	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	5	3	0	0	0	1	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	5	4	0	0	0	0	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	6	1	2	2	1	2	2	1
1026	SEMI-VISCOUS LIQUID	27.17	LVET	6	2	2	2	1	2	2	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	6	3	2	1	0	2	1	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	6	4	0	0	0	1	0	0
1026	SEMI-VISCOUS LIQUID	27.17	LVET	6	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1027	LIQUID	15.17	LVET	1	1	0	0	0	2	1	0
1027	LIQUID	15.17	LVET	1	2	0	0	0	1	1	0
1027	LIQUID	15.17	LVET	1	3	0	0	0	0	0	0
1027	LIQUID	15.17	LVET	2	1	0	0	1	2	1	0
1027	LIQUID	15.17	LVET	2	2	0	0	0	2	1	0
1027	LIQUID	15.17	LVET	2	3	0	0	0	0	0	0
1027	LIQUID	15.17	LVET	3	1	2	2	1	2	2	1
1027	LIQUID	15.17	LVET	3	2	2	1	0	2	1	0
1027	LIQUID	15.17	LVET	3	3	0	0	0	0	0	0
1027	LIQUID	15.17	LVET	4	1	2	1	1	2	2	0
1027	LIQUID	15.17	LVET	4	2	0	0	0	2	1	0
1027	LIQUID	15.17	LVET	4	3	0	0	0	0	0	0
1027	LIQUID	15.17	LVET	5	1	0	0	0	2	1	0
1027	LIQUID	15.17	LVET	5	2	0	0	0	2	1	0
1027	LIQUID	15.17	LVET	5	3	0	0	0	0	0	0
1027	LIQUID	15.17	LVET	6	1	0	0	0	2	2	1
1027	LIQUID	15.17	LVET	6	2	0	0	0	2	1	0
1027	LIQUID	15.17	LVET	6	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1028	LIQUID	30	LVET	1	1	2	1	1	2	2	2
1028	LIQUID	30	LVET	1	2	2	1	1	2	1	0
1028	LIQUID	30	LVET	1	3	0	0	0	1	0	0
1028	LIQUID	30	LVET	1	4	0	0	0	1	0	0
1028	LIQUID	30	LVET	1	7	0	0	0	1	0	0
1028	LIQUID	30	LVET	1	14	0	0	0	0	0	0
1028	LIQUID	30	LVET	2	1	2	3	1	2	2	2
1028	LIQUID	30	LVET	2	2	2	3	1	2	1	0
1028	LIQUID	30	LVET	2	3	2	2	0	1	1	0
1028	LIQUID	30	LVET	2	4	0	0	0	0	0	0
1028	LIQUID	30	LVET	3	1	2	1	0	2	1	0
1028	LIQUID	30	LVET	3	2	2	1	0	2	1	0
1028	LIQUID	30	LVET	3	3	0	0	0	1	0	0
1028	LIQUID	30	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1029	LIQUID	42.33	LVET	1	1	2	3	1	2	2	1
1029	LIQUID	42.33	LVET	1	2	2	2	0	2	1	0
1029	LIQUID	42.33	LVET	1	3	2	1	0	1	0	0
1029	LIQUID	42.33	LVET	1	4	0	0	0	0	0	0
1029	LIQUID	42.33	LVET	2	1	2	3	1	2	2	1
1029	LIQUID	42.33	LVET	2	2	2	2	1	2	1	0
1029	LIQUID	42.33	LVET	2	3	2	1	0	2	1	0
1029	LIQUID	42.33	LVET	2	4	2	1	0	1	1	0
1029	LIQUID	42.33	LVET	2	7	0	0	0	0	0	0
1029	LIQUID	42.33	LVET	3	1	2	2	1	2	2	2
1029	LIQUID	42.33	LVET	3	2	2	2	1	2	2	2
1029	LIQUID	42.33	LVET	3	3	2	1	0	2	1	0
1029	LIQUID	42.33	LVET	3	4	0	0	0	1	1	0
1029	LIQUID	42.33	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1030	LIQUID	18.33	LVET	1	1	2	1	0	2	1	0
1030	LIQUID	18.33	LVET	1	2	0	0	0	1	1	0
1030	LIQUID	18.33	LVET	1	3	0	0	0	1	1	0
1030	LIQUID	18.33	LVET	1	4	0	0	0	0	1	0
1030	LIQUID	18.33	LVET	1	7	0	0	0	0	0	0
1030	LIQUID	18.33	LVET	2	1	2	1	0	1	1	0
1030	LIQUID	18.33	LVET	2	2	0	0	0	0	0	0
1030	LIQUID	18.33	LVET	3	1	2	1	1	2	2	1
1030	LIQUID	18.33	LVET	3	2	2	1	0	1	1	1
1030	LIQUID	18.33	LVET	3	3	2	1	0	1	1	0
1030	LIQUID	18.33	LVET	3	4	2	1	0	1	1	0
1030	LIQUID	18.33	LVET	3	7	0	0	0	0	0	0
1030	LIQUID	18.33	LVET	3	14	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1031	LIQUID	46.67	LVET	1	1	2	4	1	2	2	1
1031	LIQUID	46.67	LVET	1	2	2	3	1	2	1	0
1031	LIQUID	46.67	LVET	1	3	2	2	0	1	1	0
1031	LIQUID	46.67	LVET	1	4	2	2	0	1	1	0
1031	LIQUID	46.67	LVET	1	7	0	0	0	0	0	0
1031	LIQUID	46.67	LVET	2	1	2	3	1	2	2	2
1031	LIQUID	46.67	LVET	2	2	2	3	1	2	1	0
1031	LIQUID	46.67	LVET	2	3	2	1	0	1	1	0
1031	LIQUID	46.67	LVET	2	4	0	0	0	0	0	0
1031	LIQUID	46.67	LVET	3	1	2	3	0	2	1	1
1031	LIQUID	46.67	LVET	3	2	2	2	0	1	1	0
1031	LIQUID	46.67	LVET	3	3	2	2	0	1	1	0
1031	LIQUID	46.67	LVET	3	4	2	1	0	1	1	0
1031	LIQUID	46.67	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1032	LIQUID	39	LVET	1	1	2	3	1	2	1	1
1032	LIQUID	39	LVET	1	2	2	2	0	2	1	0
1032	LIQUID	39	LVET	1	3	2	1	0	1	1	0
1032	LIQUID	39	LVET	1	4	2	1	0	1	1	0
1032	LIQUID	39	LVET	1	7	0	0	0	1	0	0
1032	LIQUID	39	LVET	1	14	0	0	0	0	0	0
1032	LIQUID	39	LVET	2	1	2	2	1	2	2	2
1032	LIQUID	39	LVET	2	2	2	1	0	2	1	0
1032	LIQUID	39	LVET	2	3	0	0	0	1	1	0
1032	LIQUID	39	LVET	2	4	0	0	0	0	0	0
1032	LIQUID	39	LVET	3	1	2	2	1	2	2	2
1032	LIQUID	39	LVET	3	2	2	3	1	2	1	1
1032	LIQUID	39	LVET	3	3	2	1	1	2	1	0
1032	LIQUID	39	LVET	3	4	0	0	0	1	1	0
1032	LIQUID	39	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1033	LIQUID	36	LVET	1	1	2	3	1	2	2	2
1033	LIQUID	36	LVET	1	2	2	3	1	2	1	0
1033	LIQUID	36	LVET	1	3	2	2	0	1	1	0
1033	LIQUID	36	LVET	1	4	1	1	0	1	1	0
1033	LIQUID	36	LVET	1	7	0	0	0	0	0	0
1033	LIQUID	36	LVET	2	1	2	2	1	2	1	0
1033	LIQUID	36	LVET	2	2	2	1	1	2	1	0
1033	LIQUID	36	LVET	2	3	0	0	0	1	1	0
1033	LIQUID	36	LVET	2	4	0	0	0	0	0	0
1033	LIQUID	36	LVET	3	1	2	2	0	2	2	1
1033	LIQUID	36	LVET	3	2	2	1	0	1	1	0
1033	LIQUID	36	LVET	3	3	1	1	0	1	1	0
1033	LIQUID	36	LVET	3	4	0	0	0	0	0	0



BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1034	LIQUID	24.33	LVET	1	1	0	0	0	1	2	0
1034	LIQUID	24.33	LVET	1	2	0	0	0	1	1	0
1034	LIQUID	24.33	LVET	1	3	0	0	0	1	1	0
1034	LIQUID	24.33	LVET	1	4	0	0	0	0	1	0
1034	LIQUID	24.33	LVET	1	7	0	0	0	0	0	0
1034	LIQUID	24.33	LVET	2	1	2	4	1	2	2	2
1034	LIQUID	24.33	LVET	2	2	2	3	1	2	1	2
1034	LIQUID	24.33	LVET	2	3	2	3	1	1	1	0
1034	LIQUID	24.33	LVET	2	4	2	1	0	1	1	0
1034	LIQUID	24.33	LVET	2	7	0	0	0	0	0	0
1034	LIQUID	24.33	LVET	3	1	0	0	0	1	2	2
1034	LIQUID	24.33	LVET	3	2	0	0	0	1	0	0
1034	LIQUID	24.33	LVET	3	3	0	0	0	0	0	0
1034	LIQUID	24.33	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1035	LIQUID	3.333	LVET	1	1	0	0	0	1	1	0
1035	LIQUID	3.333	LVET	1	2	0	0	0	0	0	0
1035	LIQUID	3.333	LVET	2	1	0	0	0	1	1	0
1035	LIQUID	3.333	LVET	2	2	0	0	0	0	0	0
1035	LIQUID	3.333	LVET	3	1	0	0	0	1	0	0
1035	LIQUID	3.333	LVET	3	2	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1036	LIQUID	20	LVET	1	1	2	1	0	2	1	0
1036	LIQUID	20	LVET	1	2	0	0	0	1	1	0
1036	LIQUID	20	LVET	1	3	0	0	0	0	0	0
1036	LIQUID	20	LVET	2	1	2	1	0	2	1	0
1036	LIQUID	20	LVET	2	2	1	1	0	1	0	0
1036	LIQUID	20	LVET	2	3	0	0	0	0	0	0
1036	LIQUID	20	LVET	3	1	2	2	0	2	2	0
1036	LIQUID	20	LVET	3	2	0	0	0	1	1	0
1036	LIQUID	20	LVET	3	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1039	LIQUID	20.33	LVET	1	1	0	0	0	3	2	3
1039	LIQUID	20.33	LVET	1	2	0	0	0	3	2	0
1039	LIQUID	20.33	LVET	1	3	1	3	1	3	2	2
1039	LIQUID	20.33	LVET	1	4	1	3	1	3	2	2
1039	LIQUID	20.33	LVET	1	7	1	1	1	3	2	1
1039	LIQUID	20.33	LVET	1	14	1	1	1	3	2	1
1039	LIQUID	20.33	LVET	1	21	1	1	0	2	1	0
1039	LIQUID	20.33	LVET	2	1	0	0	0	3	2	1
1039	LIQUID	20.33	LVET	2	2	0	0	0	3	2	0
1039	LIQUID	20.33	LVET	2	3	1	1	0	3	2	0
1039	LIQUID	20.33	LVET	2	4	1	1	0	3	2	2
1039	LIQUID	20.33	LVET	2	7	0	0	0	2	1	1
1039	LIQUID	20.33	LVET	2	14	0	0	0	1	0	0
1039	LIQUID	20.33	LVET	2	21	0	0	0	0	0	0
1039	LIQUID	20.33	LVET	3	1	0	0	1	3	3	3
1039	LIQUID	20.33	LVET	3	2	1	1	1	3	3	0
1039	LIQUID	20.33	LVET	3	3	0	0	0	2	2	0
1039	LIQUID	20.33	LVET	3	4	0	0	0	2	2	0
1039	LIQUID	20.33	LVET	3	7	0	0	0	1	1	0
1039	LIQUID	20.33	LVET	3	14	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1040	LIQUID	10.67	LVET	1	1	0	0	0	3	2	3
1040	LIQUID	10.67	LVET	1	2	0	0	0	3	2	0
1040	LIQUID	10.67	LVET	1	3	0	0	0	2	1	0
1040	LIQUID	10.67	LVET	1	4	0	0	0	2	1	0
1040	LIQUID	10.67	LVET	1	7	0	0	0	2	1	0
1040	LIQUID	10.67	LVET	1	14	0	0	0	1	0	0
1040	LIQUID	10.67	LVET	1	21	0	0	0	0	0	0
1040	LIQUID	10.67	LVET	2	1	0	0	0	3	2	1
1040	LIQUID	10.67	LVET	2	2	0	0	0	3	1	0
1040	LIQUID	10.67	LVET	2	3	0	0	0	2	1	0
1040	LIQUID	10.67	LVET	2	4	0	0	0	2	1	0
1040	LIQUID	10.67	LVET	2	7	0	0	0	2	0	0
1040	LIQUID	10.67	LVET	2	14	0	0	0	1	0	0
1040	LIQUID	10.67	LVET	2	21	0	0	0	0	0	0
1040	LIQUID	10.67	LVET	3	1	0	0	0	2	0	0
1040	LIQUID	10.67	LVET	3	2	0	0	0	1	0	0
1040	LIQUID	10.67	LVET	3	3	0	0	0	1	0	0
1040	LIQUID	10.67	LVET	3	4	0	0	0	1	0	0
1040	LIQUID	10.67	LVET	3	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1041	LIQUID	21.33	LVET	1	1	0	0	0	3	3	2
1041	LIQUID	21.33	LVET	1	2	1	2	0	3	3	2
1041	LIQUID	21.33	LVET	1	3	1	1	0	3	3	2
1041	LIQUID	21.33	LVET	1	4	1	1	0	3	2	1
1041	LIQUID	21.33	LVET	1	7	0	0	0	2	2	0
1041	LIQUID	21.33	LVET	1	14	0	0	0	1	1	1
1041	LIQUID	21.33	LVET	1	21	0	0	0	0	0	0
1041	LIQUID	21.33	LVET	2	1	0	0	1	3	2	0
1041	LIQUID	21.33	LVET	2	2	1	2	1	3	2	0
1041	LIQUID	21.33	LVET	2	3	1	1	0	3	2	0
1041	LIQUID	21.33	LVET	2	4	1	1	0	3	2	0
1041	LIQUID	21.33	LVET	2	7	0	0	0	2	2	0
1041	LIQUID	21.33	LVET	2	14	0	0	0	1	1	0
1041	LIQUID	21.33	LVET	2	21	0	0	0	0	0	0
1041	LIQUID	21.33	LVET	3	1	0	0	1	3	1	0
1041	LIQUID	21.33	LVET	3	2	1	1	0	3	1	0
1041	LIQUID	21.33	LVET	3	3	1	1	0	2	1	0
1041	LIQUID	21.33	LVET	3	4	1	1	0	1	0	0
1041	LIQUID	21.33	LVET	3	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1043	LIQUID	48	LVET	1	1	2	3	1	2	2	2
1043	LIQUID	48	LVET	1	2	2	2	0	2	1	0
1043	LIQUID	48	LVET	1	3	1	1	0	1	1	0
1043	LIQUID	48	LVET	1	4	0	0	0	0	0	0
1043	LIQUID	48	LVET	2	1	2	3	1	2	2	2
1043	LIQUID	48	LVET	2	2	2	2	0	2	1	1
1043	LIQUID	48	LVET	2	3	1	1	0	1	1	0
1043	LIQUID	48	LVET	2	4	1	1	0	1	1	0
1043	LIQUID	48	LVET	2	7	0	0	0	0	0	0
1043	LIQUID	48	LVET	3	1	2	2	1	2	2	2
1043	LIQUID	48	LVET	3	2	2	2	1	2	1	1
1043	LIQUID	48	LVET	3	3	2	1	1	1	1	0
1043	LIQUID	48	LVET	3	4	0	0	1	1	1	0
1043	LIQUID	48	LVET	3	7	0	0	0	1	1	0
1043	LIQUID	48	LVET	3	14	0	0	0	0	0	0
1043	LIQUID	48	LVET	4	1	2	4	1	2	2	1
1043	LIQUID	48	LVET	4	2	2	4	1	2	1	0
1043	LIQUID	48	LVET	4	3	2	3	1	2	1	0
1043	LIQUID	48	LVET	4	4	2	1	0	1	1	0
1043	LIQUID	48	LVET	4	7	0	0	0	1	1	0
1043	LIQUID	48	LVET	4	14	0	0	0	0	0	0
1043	LIQUID	48	LVET	5	1	2	4	1	2	2	2
1043	LIQUID	48	LVET	5	2	2	4	1	2	1	1
1043	LIQUID	48	LVET	5	3	2	4	1	2	1	1
1043	LIQUID	48	LVET	5	4	2	4	1	2	1	0
1043	LIQUID	48	LVET	5	7	2	1	0	1	1	0
1043	LIQUID	48	LVET	5	14	0	0	0	1	1	0
1043	LIQUID	48	LVET	5	17	0	0	0	0	0	0
1043	LIQUID	48	LVET	6	1	2	3	1	2	2	1
1043	LIQUID	48	LVET	6	2	2	2	1	2	2	1
1043	LIQUID	48	LVET	6	3	2	2	1	2	1	1
1043	LIQUID	48	LVET	6	4	2	1	0	2	1	0
1043	LIQUID	48	LVET	6	7	0	0	0	0	1	0
1043	LIQUID	48	LVET	6	14	0	0	0	0	1	0
1043	LIQUID	48	LVET	6	17	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1044	LIQUID	49.33	LVET	1	1	2	3	1	2	2	2
1044	LIQUID	49.33	LVET	1	2	2	2	1	2	1	1
1044	LIQUID	49.33	LVET	1	3	1	1	0	2	1	0
1044	LIQUID	49.33	LVET	1	4	1	1	0	2	1	0
1044	LIQUID	49.33	LVET	1	7	0	0	0	1	1	0
1044	LIQUID	49.33	LVET	1	14	0	0	0	0	0	0
1044	LIQUID	49.33	LVET	2	1	2	3	1	2	2	1
1044	LIQUID	49.33	LVET	2	2	2	3	1	2	2	1
1044	LIQUID	49.33	LVET	2	3	2	2	1	2	1	1
1044	LIQUID	49.33	LVET	2	4	1	1	0	2	1	0
1044	LIQUID	49.33	LVET	2	7	0	0	0	1	1	0
1044	LIQUID	49.33	LVET	2	14	0	0	0	0	0	0
1044	LIQUID	49.33	LVET	3	1	2	3	1	2	2	2
1044	LIQUID	49.33	LVET	3	2	2	3	1	2	1	1
1044	LIQUID	49.33	LVET	3	3	2	1	0	2	1	0
1044	LIQUID	49.33	LVET	3	4	0	0	0	1	1	0
1044	LIQUID	49.33	LVET	3	7	0	0	0	1	0	0
1044	LIQUID	49.33	LVET	3	14	0	0	0	0	0	0
1044	LIQUID	49.33	LVET	4	1	2	3	1	2	1	2
1044	LIQUID	49.33	LVET	4	2	2	3	1	2	1	0
1044	LIQUID	49.33	LVET	4	3	2	3	1	2	1	0
1044	LIQUID	49.33	LVET	4	4	2	2	1	3	2	0
1044	LIQUID	49.33	LVET	4	7	2	1	1	1	2	0
1044	LIQUID	49.33	LVET	4	14	0	0	0	0	0	0
1044	LIQUID	49.33	LVET	5	1	2	4	1	2	2	2
1044	LIQUID	49.33	LVET	5	2	2	4	1	2	2	2
1044	LIQUID	49.33	LVET	5	3	2	4	1	2	2	2
1044	LIQUID	49.33	LVET	5	4	2	3	1	2	2	0
1044	LIQUID	49.33	LVET	5	7	1	1	0	1	0	0
1044	LIQUID	49.33	LVET	5	14	0	0	0	0	0	0
1044	LIQUID	49.33	LVET	6	1	2	4	1	2	2	1
1044	LIQUID	49.33	LVET	6	2	2	4	1	2	2	2
1044	LIQUID	49.33	LVET	6	3	2	4	1	2	2	2
1044	LIQUID	49.33	LVET	6	4	2	4	1	3	2	2
1044	LIQUID	49.33	LVET	6	7	1	1	0	1	1	0
1044	LIQUID	49.33	LVET	6	14	0	0	0	1	0	0
1044	LIQUID	49.33	LVET	6	17	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1045	LIQUID	44.33	LVET	1	1	2	3	1	2	1	1
1045	LIQUID	44.33	LVET	1	2	2	2	1	2	1	1
1045	LIQUID	44.33	LVET	1	3	1	1	0	2	1	0
1045	LIQUID	44.33	LVET	1	4	0	0	0	1	1	0
1045	LIQUID	44.33	LVET	1	7	0	0	0	0	0	0
1045	LIQUID	44.33	LVET	2	1	2	2	1	2	2	1
1045	LIQUID	44.33	LVET	2	2	2	2	1	2	1	1
1045	LIQUID	44.33	LVET	2	3	1	1	0	1	1	0
1045	LIQUID	44.33	LVET	2	4	0	0	0	1	1	0
1045	LIQUID	44.33	LVET	2	7	0	0	0	0	0	0
1045	LIQUID	44.33	LVET	3	1	2	3	1	2	1	2
1045	LIQUID	44.33	LVET	3	2	2	2	1	2	1	0
1045	LIQUID	44.33	LVET	3	3	2	1	0	2	1	0
1045	LIQUID	44.33	LVET	3	4	1	1	0	1	1	0
1045	LIQUID	44.33	LVET	3	7	0	0	0	1	1	0
1045	LIQUID	44.33	LVET	3	14	0	0	0	0	0	0
1045	LIQUID	44.33	LVET	4	1	2	3	1	2	2	2
1045	LIQUID	44.33	LVET	4	2	2	2	1	2	1	1
1045	LIQUID	44.33	LVET	4	3	2	1	1	1	1	0
1045	LIQUID	44.33	LVET	4	4	0	0	1	1	1	0
1045	LIQUID	44.33	LVET	4	7	0	0	0	0	0	0
1045	LIQUID	44.33	LVET	5	1	2	4	1	3	2	2
1045	LIQUID	44.33	LVET	5	2	2	4	1	3	2	1
1045	LIQUID	44.33	LVET	5	3	2	3	1	2	1	0
1045	LIQUID	44.33	LVET	5	4	0	0	1	1	1	0
1045	LIQUID	44.33	LVET	5	7	0	0	0	1	1	0
1045	LIQUID	44.33	LVET	5	14	0	0	0	0	0	0
1045	LIQUID	44.33	LVET	6	1	2	2	1	2	2	2
1045	LIQUID	44.33	LVET	6	2	2	1	0	2	1	0
1045	LIQUID	44.33	LVET	6	3	0	0	0	2	1	0
1045	LIQUID	44.33	LVET	6	4	0	0	0	1	1	0
1045	LIQUID	44.33	LVET	6	7	0	0	0	1	1	0
1045	LIQUID	44.33	LVET	6	14	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1046	LIQUID	34	LVET	1	1	1	4	1	2	2	1
1046	LIQUID	34	LVET	1	2	1	4	1	2	2	0
1046	LIQUID	34	LVET	1	3	1	3	1	2	2	0
1046	LIQUID	34	LVET	1	4	1	3	1	2	2	0
1046	LIQUID	34	LVET	1	7	1	1	0	0	0	0
1046	LIQUID	34	LVET	1	10	0	0	0	0	0	0
1046	LIQUID	34	LVET	2	1	1	3	1	2	2	2
1046	LIQUID	34	LVET	2	2	1	3	1	2	2	1
1046	LIQUID	34	LVET	2	3	1	3	1	2	2	1
1046	LIQUID	34	LVET	2	4	1	3	0	2	1	0
1046	LIQUID	34	LVET	2	7	1	1	0	2	1	0
1046	LIQUID	34	LVET	2	10	0	0	0	0	0	0
1046	LIQUID	34	LVET	3	1	1	4	1	2	2	1
1046	LIQUID	34	LVET	3	2	1	4	1	2	2	0
1046	LIQUID	34	LVET	3	3	1	4	1	2	2	0
1046	LIQUID	34	LVET	3	4	1	3	0	2	1	0
1046	LIQUID	34	LVET	3	7	1	1	0	1	0	0
1046	LIQUID	34	LVET	3	10	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1047	VISCOUS LIQUID/CREAM	21.67	LVET	1	1	0	0	0	2	2	1
1047	VISCOUS LIQUID/CREAM	21.67	LVET	1	2	0	0	0	1	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	1	3	0	0	0	1	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	1	4	0	0	0	0	0	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	1	2	3	1	3	2	2
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	2	1	3	0	2	2	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	3	1	1	0	1	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	4	0	0	0	1	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	7	0	0	0	1	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	10	0	0	0	1	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	2	14	0	0	0	0	0	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	3	1	0	0	0	2	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	3	2	0	0	0	2	1	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	3	3	0	0	0	1	0	0
1047	VISCOUS LIQUID/CREAM	21.67	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1051	LIQUID	22.67	LVET	1	1	0	0	0	2	1	2
1051	LIQUID	22.67	LVET	1	2	0	0	0	1	0	1
1051	LIQUID	22.67	LVET	1	3	0	0	0	0	0	0
1051	LIQUID	22.67	LVET	2	1	2	2	0	2	1	2
1051	LIQUID	22.67	LVET	2	2	1	1	0	2	1	2
1051	LIQUID	22.67	LVET	2	3	0	0	0	1	1	0
1051	LIQUID	22.67	LVET	2	4	0	0	0	0	0	0
1051	LIQUID	22.67	LVET	3	1	2	2	0	2	1	1
1051	LIQUID	22.67	LVET	3	2	2	1	0	2	1	1
1051	LIQUID	22.67	LVET	3	3	0	0	0	1	1	0
1051	LIQUID	22.67	LVET	3	4	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1052	SEMI-VISCOUS LIQUID	6.0	LVET	1	1	0	0	0	2	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	1	2	0	0	0	1	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	1	3	0	0	0	1	0	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	1	4	0	0	0	1	0	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	1	7	0	0	0	0	0	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	2	1	0	0	0	2	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	2	2	0	0	0	1	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	2	3	0	0	0	1	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	2	4	0	0	0	1	0	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	2	7	0	0	0	0	0	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	3	1	0	0	0	2	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	3	2	0	0	0	1	1	0
1052	SEMI-VISCOUS LIQUID	6.0	LVET	3	3	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1053	UNKNOWN	32.7	LVET	1	1	1	2	1	2	1	1
1053	UNKNOWN	32.7	LVET	1	2	2	2	1	2	1	1
1053	UNKNOWN	32.7	LVET	1	3	1	1	0	1	0	0
1053	UNKNOWN	32.7	LVET	1	4	0	0	0	1	0	0
1053	UNKNOWN	32.7	LVET	1	7	0	0	0	0	0	0
1053	UNKNOWN	32.7	LVET	2	1	1	2	1	2	2	2
1053	UNKNOWN	32.7	LVET	2	2	2	2	1	2	2	1
1053	UNKNOWN	32.7	LVET	2	3	1	1	0	1	1	0
1053	UNKNOWN	32.7	LVET	2	4	0	0	0	1	1	0
1053	UNKNOWN	32.7	LVET	2	7	0	0	0	0	0	0
1053	UNKNOWN	32.7	LVET	3	1	1	3	1	2	2	2
1053	UNKNOWN	32.7	LVET	3	2	1	3	1	2	2	1
1053	UNKNOWN	32.7	LVET	3	3	1	1	0	1	1	0
1053	UNKNOWN	32.7	LVET	3	4	0	0	0	1	1	0
1053	UNKNOWN	32.7	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1054	UNKNOWN	33.0	LVET	1	1	1	2	1	2	2	2
1054	UNKNOWN	33.0	LVET	1	2	2	2	1	2	2	0
1054	UNKNOWN	33.0	LVET	1	3	0	0	0	1	1	0
1054	UNKNOWN	33.0	LVET	1	4	0	0	0	1	1	0
1054	UNKNOWN	33.0	LVET	1	7	0	0	0	0	0	0
1054	UNKNOWN	33.0	LVET	2	1	1	2	1	2	2	1
1054	UNKNOWN	33.0	LVET	2	2	1	2	1	2	1	0
1054	UNKNOWN	33.0	LVET	2	3	0	0	0	1	1	0
1054	UNKNOWN	33.0	LVET	2	4	0	0	0	1	0	0
1054	UNKNOWN	33.0	LVET	2	7	0	0	0	0	0	0
1054	UNKNOWN	33.0	LVET	3	1	1	3	1	2	2	2
1054	UNKNOWN	33.0	LVET	3	2	2	3	1	2	2	1
1054	UNKNOWN	33.0	LVET	3	3	2	2	1	1	1	1
1054	UNKNOWN	33.0	LVET	3	4	0	0	0	1	1	0
1054	UNKNOWN	33.0	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1055	THICK LIQUID	41.7	LVET	1	1	1	4	1	2	2	1
1055	THICK LIQUID	41.7	LVET	1	2	1	4	1	2	1	1
1055	THICK LIQUID	41.7	LVET	1	3	2	3	1	2	1	0
1055	THICK LIQUID	41.7	LVET	1	4	2	2	0	2	1	0
1055	THICK LIQUID	41.7	LVET	1	7	0	0	0	2	1	0
1055	THICK LIQUID	41.7	LVET	1	10	0	0	0	0	0	0
1055	THICK LIQUID	41.7	LVET	2	1	2	4	1	2	2	1
1055	THICK LIQUID	41.7	LVET	2	2	3	2	1	3	2	1
1055	THICK LIQUID	41.7	LVET	2	3	3	2	1	2	1	1
1055	THICK LIQUID	41.7	LVET	2	4	1	1	0	2	1	0
1055	THICK LIQUID	41.7	LVET	2	7	0	0	0	2	1	0
1055	THICK LIQUID	41.7	LVET	2	10	0	0	0	1	0	0
1055	THICK LIQUID	41.7	LVET	2	14	0	0	0	0	0	0
1055	THICK LIQUID	41.7	LVET	3	1	1	4	1	2	2	1
1055	THICK LIQUID	41.7	LVET	3	2	2	3	1	3	1	1
1055	THICK LIQUID	41.7	LVET	3	3	2	2	0	3	1	0
1055	THICK LIQUID	41.7	LVET	3	4	2	1	0	2	1	0
1055	THICK LIQUID	41.7	LVET	3	7	2	1	0	2	1	0
1055	THICK LIQUID	41.7	LVET	3	10	2	1	0	2	1	0
1055	THICK LIQUID	41.7	LVET	3	14	0	0	0	0	0	0



BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1056	THICK LIQUID	35.0	LVET	1	1	2	1	1	2	2	1
1056	THICK LIQUID	35.0	LVET	1	2	2	1	1	2	1	0
1056	THICK LIQUID	35.0	LVET	1	3	1	1	0	2	1	0
1056	THICK LIQUID	35.0	LVET	1	4	0	0	0	1	1	0
1056	THICK LIQUID	35.0	LVET	1	7	0	0	0	1	0	0
1056	THICK LIQUID	35.0	LVET	1	10	0	0	0	0	0	0
1056	THICK LIQUID	35.0	LVET	2	1	2	1	1	2	2	1
1056	THICK LIQUID	35.0	LVET	2	2	1	1	1	2	1	0
1056	THICK LIQUID	35.0	LVET	2	3	0	0	0	1	1	0
1056	THICK LIQUID	35.0	LVET	2	4	0	0	0	1	0	0
1056	THICK LIQUID	35.0	LVET	2	7	0	0	0	1	0	0
1056	THICK LIQUID	35.0	LVET	2	10	0	0	0	0	0	0
1056	THICK LIQUID	35.0	LVET	3	1	2	4	1	2	2	1
1056	THICK LIQUID	35.0	LVET	3	2	2	3	1	2	1	2
1056	THICK LIQUID	35.0	LVET	3	3	2	3	1	2	1	1
1056	THICK LIQUID	35.0	LVET	3	4	2	2	1	2	1	1
1056	THICK LIQUID	35.0	LVET	3	7	2	2	1	2	1	0
1056	THICK LIQUID	35.0	LVET	3	10	2	1	0	1	0	0
1056	THICK LIQUID	35.0	LVET	3	14	2	1	0	1	0	0
1056	THICK LIQUID	35.0	LVET	3	17	2	1	0	0	0	0
1056	THICK LIQUID	35.0	LVET	3	21	2	1	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1057	THICK LIQUID	30.0	LVET	1	1	0	0	0	2	1	1
1057	THICK LIQUID	30.0	LVET	1	2	0	0	0	2	1	0
1057	THICK LIQUID	30.0	LVET	1	3	0	0	0	2	1	0
1057	THICK LIQUID	30.0	LVET	1	4	0	0	0	1	1	0
1057	THICK LIQUID	30.0	LVET	1	7	0	0	0	1	0	0
1057	THICK LIQUID	30.0	LVET	1	10	0	0	0	0	0	0
1057	THICK LIQUID	30.0	LVET	2	1	2	2	1	2	2	1
1057	THICK LIQUID	30.0	LVET	2	2	2	2	1	2	1	1
1057	THICK LIQUID	30.0	LVET	2	3	2	1	1	2	1	1
1057	THICK LIQUID	30.0	LVET	2	4	0	0	0	2	1	0
1057	THICK LIQUID	30.0	LVET	2	7	0	0	0	1	0	0
1057	THICK LIQUID	30.0	LVET	2	10	0	0	0	1	0	0
1057	THICK LIQUID	30.0	LVET	2	14	0	0	0	0	0	0
1057	THICK LIQUID	30.0	LVET	3	1	2	3	1	3	2	1
1057	THICK LIQUID	30.0	LVET	3	2	2	3	1	2	2	1
1057	THICK LIQUID	30.0	LVET	3	3	2	2	1	2	2	1
1057	THICK LIQUID	30.0	LVET	3	4	2	1	0	2	1	0
1057	THICK LIQUID	30.0	LVET	3	7	1	1	0	2	1	0
1057	THICK LIQUID	30.0	LVET	3	10	0	0	0	1	0	0
1057	THICK LIQUID	30.0	LVET	3	14	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1058	VISCOUS LIQUID	22.7	LVET	1	1	1	1	1	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	1	2	1	1	0	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	1	3	1	1	0	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	1	4	0	0	0	0	1	0
1058	VISCOUS LIQUID	22.7	LVET	1	7	0	0	0	0	0	0
1058	VISCOUS LIQUID	22.7	LVET	2	1	2	1	1	2	1	0
1058	VISCOUS LIQUID	22.7	LVET	2	2	2	1	0	2	1	0
1058	VISCOUS LIQUID	22.7	LVET	2	3	1	1	0	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	2	4	0	0	0	1	0	0
1058	VISCOUS LIQUID	22.7	LVET	2	7	0	0	0	0	0	0
1058	VISCOUS LIQUID	22.7	LVET	3	1	2	2	1	2	1	1
1058	VISCOUS LIQUID	22.7	LVET	3	2	2	2	1	3	1	1
1058	VISCOUS LIQUID	22.7	LVET	3	3	2	2	0	2	1	0
1058	VISCOUS LIQUID	22.7	LVET	3	4	2	1	0	2	2	0
1058	VISCOUS LIQUID	22.7	LVET	3	7	2	1	0	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	3	10	2	1	0	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	3	14	2	1	0	1	1	0
1058	VISCOUS LIQUID	22.7	LVET	3	21	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1059	VISCOUS LIQUID	1.3	LVET	1	1	0	0	0	0	0	0
1059	VISCOUS LIQUID	1.3	LVET	2	1	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	2	2	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	2	3	0	0	0	0	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	1	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	2	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	3	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	4	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	7	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	10	0	0	0	1	0	0
1059	VISCOUS LIQUID	1.3	LVET	3	14	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1060	VISCOUS LIQUID	5.3	LVET	1	1	0	0	0	1	1	2
1060	VISCOUS LIQUID	5.3	LVET	1	2	0	0	0	1	1	0
1060	VISCOUS LIQUID	5.3	LVET	1	3	0	0	0	1	1	0
1060	VISCOUS LIQUID	5.3	LVET	1	4	0	0	0	0	0	0
1060	VISCOUS LIQUID	5.3	LVET	2	1	0	0	0	1	0	0
1060	VISCOUS LIQUID	5.3	LVET	2	2	0	0	0	0	0	0
1060	VISCOUS LIQUID	5.3	LVET	3	1	0	0	0	2	1	0
1060	VISCOUS LIQUID	5.3	LVET	3	2	0	0	0	1	1	0
1060	VISCOUS LIQUID	5.3	LVET	3	3	0	0	0	1	0	0
1060	VISCOUS LIQUID	5.3	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1061	CREAM	4.3	LVET	1	1	0	0	0	0	0	0
1061	CREAM	4.3	LVET	2	1	0	0	1	1	1	0
1061	CREAM	4.3	LVET	2	2	0	0	0	0	1	0
1061	CREAM	4.3	LVET	2	3	0	0	0	0	0	0
1061	CREAM	4.3	LVET	3	1	0	0	0	1	1	0
1061	CREAM	4.3	LVET	3	2	0	0	0	1	1	0
1061	CREAM	4.3	LVET	3	3	0	0	0	1	0	0
1061	CREAM	4.3	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1062	CREAM	2.0	LVET	1	1	0	0	0	0	0	0
1062	CREAM	2.0	LVET	2	1	0	0	0	1	0	0
1062	CREAM	2.0	LVET	2	2	0	0	0	1	0	0
1062	CREAM	2.0	LVET	2	3	0	0	0	0	0	0
1062	CREAM	2.0	LVET	3	1	0	0	0	1	1	0
1062	CREAM	2.0	LVET	3	2	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1063	CREAM	6.3	LVET	1	1	0	0	0	1	1	0
1063	CREAM	6.3	LVET	1	2	0	0	0	1	0	0
1063	CREAM	6.3	LVET	1	3	0	0	0	0	0	0
1063	CREAM	6.3	LVET	2	1	0	0	1	1	1	0
1063	CREAM	6.3	LVET	2	2	0	0	1	0	1	0
1063	CREAM	6.3	LVET	2	3	0	0	0	0	0	0
1063	CREAM	6.3	LVET	3	1	0	0	0	2	1	0
1063	CREAM	6.3	LVET	3	2	0	0	0	1	1	0
1063	CREAM	6.3	LVET	3	3	0	0	0	1	0	0
1063	CREAM	6.3	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1064	SEMI-VISCOUS LIQUID	17.3	LVET	1	1	2	1	0	2	2	2
1064	SEMI-VISCOUS LIQUID	17.3	LVET	1	2	0	0	0	1	1	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	1	3	0	0	0	0	1	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	1	4	0	0	0	0	0	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	2	1	0	0	0	2	2	1
1064	SEMI-VISCOUS LIQUID	17.3	LVET	2	2	0	0	0	1	1	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	2	3	0	0	0	1	0	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	2	4	0	0	0	0	0	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	3	1	2	1	0	2	2	1
1064	SEMI-VISCOUS LIQUID	17.3	LVET	3	2	2	1	0	2	1	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	3	3	0	0	0	1	1	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	3	4	0	0	0	1	0	0
1064	SEMI-VISCOUS LIQUID	17.3	LVET	3	7	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1065	LIQUID	0.7	LVET	1	1	0	0	0	0	0	0
1065	LIQUID	0.7	LVET	2	1	0	0	0	0	0	0
1065	LIQUID	0.7	LVET	3	1	0	0	0	1	0	0
1065	LIQUID	0.7	LVET	3	2	0	0	0	0	0	0
1066	LIQUID	5.0	LVET	1	1	0	0	1	1	1	0
1066	LIQUID	5.0	LVET	1	2	0	0	0	1	0	0
1066	LIQUID	5.0	LVET	1	3	0	0	0	0	0	0
1066	LIQUID	5.0	LVET	2	1	0	0	0	1	1	0
1066	LIQUID	5.0	LVET	2	2	0	0	0	1	1	0
1066	LIQUID	5.0	LVET	2	3	0	0	0	0	0	0
1066	LIQUID	5.0	LVET	3	1	0	0	0	1	0	0
1066	LIQUID	5.0	LVET	3	2	0	0	0	1	0	0
1066	LIQUID	5.0	LVET	3	3	0	0	0	0	0	0
1067	LIQUID	5.3	LVET	1	1	0	0	0	2	1	0
1067	LIQUID	5.3	LVET	1	2	0	0	0	0	0	0
1067	LIQUID	5.3	LVET	2	1	0	0	0	1	1	0
1067	LIQUID	5.3	LVET	2	2	0	0	0	0	0	0
1067	LIQUID	5.3	LVET	3	1	0	0	0	2	1	0
1067	LIQUID	5.3	LVET	3	2	0	0	0	1	1	0
1067	LIQUID	5.3	LVET	3	3	0	0	0	0	1	0
1067	LIQUID	5.3	LVET	3	4	0	0	0	0	0	0
1068	LIQUID	13.7	LVET	1	1	2	2	1	2	1	0
1068	LIQUID	13.7	LVET	1	2	2	1	0	2	1	0
1068	LIQUID	13.7	LVET	1	3	0	0	0	1	0	0
1068	LIQUID	13.7	LVET	1	4	0	0	0	0	0	0
1068	LIQUID	13.7	LVET	2	1	0	0	0	2	0	0
1068	LIQUID	13.7	LVET	2	2	0	0	0	1	0	0
1068	LIQUID	13.7	LVET	2	3	0	0	0	1	0	0
1068	LIQUID	13.7	LVET	2	4	0	0	0	0	0	0
1068	LIQUID	13.7	LVET	3	1	0	0	0	2	1	0
1068	LIQUID	13.7	LVET	3	2	0	0	0	1	1	0
1068	LIQUID	13.7	LVET	3	3	0	0	0	0	0	0
1069	LIQUID	8.0	LVET	1	1	0	0	0	1	1	0
1069	LIQUID	8.0	LVET	1	2	0	0	0	0	0	0
1069	LIQUID	8.0	LVET	2	1	0	0	0	1	1	1
1069	LIQUID	8.0	LVET	2	2	0	0	0	1	1	0
1069	LIQUID	8.0	LVET	2	3	0	0	0	1	1	0
1069	LIQUID	8.0	LVET	2	4	0	0	0	0	0	0
1069	LIQUID	8.0	LVET	3	1	2	1	0	1	1	0
1069	LIQUID	8.0	LVET	3	2	1	1	0	0	0	0
1069	LIQUID	8.0	LVET	3	3	0	0	0	0	0	0
1070	LIQUID	9.7	LVET	1	1	2	1	0	1	1	0
1070	LIQUID	9.7	LVET	1	2	1	1	0	0	0	0
1070	LIQUID	9.7	LVET	1	3	0	0	0	0	0	0
1070	LIQUID	9.7	LVET	2	1	0	0	0	1	1	0
1070	LIQUID	9.7	LVET	2	2	0	0	0	1	0	0
1070	LIQUID	9.7	LVET	2	3	0	0	0	0	0	0
1070	LIQUID	9.7	LVET	3	1	1	1	0	2	1	0
1070	LIQUID	9.7	LVET	3	2	0	0	0	1	0	0
1070	LIQUID	9.7	LVET	3	3	0	0	0	0	0	0
1071	LIQUID	2.0	LVET	1	1	0	0	0	0	0	0
1071	LIQUID	2.0	LVET	2	1	0	0	0	1	0	0
1071	LIQUID	2.0	LVET	2	2	0	0	0	0	0	0
1071	LIQUID	2.0	LVET	3	1	0	0	0	1	1	0
1071	LIQUID	2.0	LVET	3	2	0	0	0	1	1	0
1071	LIQUID	2.0	LVET	3	3	0	0	0	0	0	0

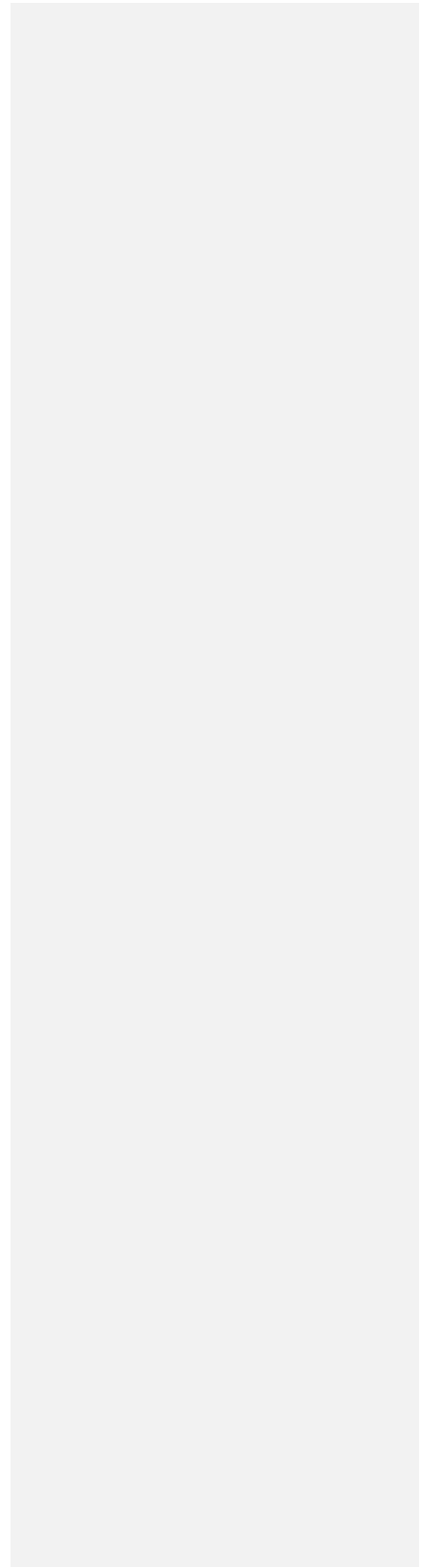
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1072	FLAKES	4.0	LVET	1	1	0	0	0	1	1	0
1072	FLAKES	4.0	LVET	1	2	0	0	0	0	0	0
1072	FLAKES	4.0	LVET	2	1	0	0	0	1	1	0
1072	FLAKES	4.0	LVET	2	2	0	0	0	1	1	0
1072	FLAKES	4.0	LVET	2	3	0	0	0	0	0	0
1072	FLAKES	4.0	LVET	3	1	0	0	0	1	1	0
1072	FLAKES	4.0	LVET	3	2	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1074	CREAM	13.0	LVET	1	1	2	1	0	2	0	0
1074	CREAM	13.0	LVET	1	2	2	1	0	1	0	0
1074	CREAM	13.0	LVET	1	3	0	0	0	0	0	0
1074	CREAM	13.0	LVET	2	1	0	0	0	1	0	0
1074	CREAM	13.0	LVET	2	2	0	0	0	0	0	0
1074	CREAM	13.0	LVET	3	1	2	1	1	2	2	0
1074	CREAM	13.0	LVET	3	2	0	0	0	1	1	0
1074	CREAM	13.0	LVET	3	3	0	0	0	1	0	0
1074	CREAM	13.0	LVET	3	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1075	SOLID	2.0	LVET	1	1	0	0	0	1	0	0
1075	SOLID	2.0	LVET	1	2	0	0	0	0	0	0
1075	SOLID	2.0	LVET	2	1	0	0	0	1	1	0
1075	SOLID	2.0	LVET	2	2	0	0	0	0	0	0
1075	SOLID	2.0	LVET	3	1	0	0	0	1	0	0
1075	SOLID	2.0	LVET	3	2	0	0	0	0	0	0
1075	SOLID	2.0	LVET	4	1	0	0	0	0	0	0
1075	SOLID	2.0	LVET	5	1	0	0	0	1	0	0
1075	SOLID	2.0	LVET	5	2	0	0	0	1	0	0
1075	SOLID	2.0	LVET	5	3	0	0	0	0	0	0
1075	SOLID	2.0	LVET	6	1	0	0	0	1	0	0
1075	SOLID	2.0	LVET	6	2	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1076	LIQUID	16.0	LVET	1	1	0	0	0	2	2	0
1076	LIQUID	16.0	LVET	1	2	0	0	0	1	1	0
1076	LIQUID	16.0	LVET	1	3	0	0	0	0	0	0
1076	LIQUID	16.0	LVET	2	1	0	0	0	2	1	0
1076	LIQUID	16.0	LVET	2	2	0	0	0	1	1	0
1076	LIQUID	16.0	LVET	2	3	0	0	0	0	0	0
1076	LIQUID	16.0	LVET	3	1	2	2	1	2	2	2
1076	LIQUID	16.0	LVET	3	2	2	1	0	2	1	0
1076	LIQUID	16.0	LVET	3	3	0	0	0	1	1	0
1076	LIQUID	16.0	LVET	3	4	0	0	0	1	0	0
1076	LIQUID	16.0	LVET	3	7	0	0	0	0	0	0
1076	LIQUID	16.0	LVET	4	1	0	0	0	2	1	0
1076	LIQUID	16.0	LVET	4	2	0	0	0	1	1	0
1076	LIQUID	16.0	LVET	4	3	0	0	0	0	0	0
1076	LIQUID	16.0	LVET	5	1	2	2	1	2	2	0
1076	LIQUID	16.0	LVET	5	2	2	1	0	1	1	0
1076	LIQUID	16.0	LVET	5	3	0	0	0	1	0	0
1076	LIQUID	16.0	LVET	5	4	0	0	0	1	0	0
1076	LIQUID	16.0	LVET	5	7	0	0	0	0	0	0
1076	LIQUID	16.0	LVET	6	1	0	0	0	2	1	0
1076	LIQUID	16.0	LVET	6	2	0	0	0	1	0	1
1076	LIQUID	16.0	LVET	6	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1077	LIQUID	23.0	LVET	1	1	1	2	1	3	2	1
1077	LIQUID	23.0	LVET	1	2	1	1	1	3	2	0
1077	LIQUID	23.0	LVET	1	3	1	1	1	2	1	1
1077	LIQUID	23.0	LVET	1	4	0	0	0	2	0	0
1077	LIQUID	23.0	LVET	1	7	0	0	0	1	0	0
1077	LIQUID	23.0	LVET	1	14	0	0	0	0	0	0
1077	LIQUID	23.0	LVET	2	1	0	0	0	2	0	0
1077	LIQUID	23.0	LVET	2	2	0	0	0	1	0	0
1077	LIQUID	23.0	LVET	2	3	0	0	0	1	0	0
1077	LIQUID	23.0	LVET	2	4	0	0	0	1	0	0
1077	LIQUID	23.0	LVET	2	7	0	0	0	0	0	0
1077	LIQUID	23.0	LVET	3	1	1	3	1	3	3	3
1077	LIQUID	23.0	LVET	3	2	1	2	1	3	2	2
1077	LIQUID	23.0	LVET	3	3	1	1	1	3	2	2
1077	LIQUID	23.0	LVET	3	4	2	1	1	2	1	2
1077	LIQUID	23.0	LVET	3	7	1	1	0	2	1	2
1077	LIQUID	23.0	LVET	3	14	2	1	0	1	1	1
1077	LIQUID	23.0	LVET	3	21	2	1	0	1	1	1
1077	LIQUID	23.0	LVET	3	28	3	1	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1078	GEL	17.2	LVET	1	1	2	1	0	2	1	0
1078	GEL	17.2	LVET	1	2	0	0	0	1	0	0
1078	GEL	17.2	LVET	1	3	0	0	0	0	0	0
1078	GEL	17.2	LVET	2	1	0	0	0	1	0	0
1078	GEL	17.2	LVET	2	2	0	0	0	1	0	0
1078	GEL	17.2	LVET	2	3	0	0	0	0	0	0
1078	GEL	17.2	LVET	3	1	2	1	1	2	1	0
1078	GEL	17.2	LVET	3	2	0	0	0	1	0	0
1078	GEL	17.2	LVET	3	3	0	0	0	0	0	0
1078	GEL	17.2	LVET	4	1	0	0	0	2	1	0
1078	GEL	17.2	LVET	4	2	0	0	0	1	0	0
1078	GEL	17.2	LVET	4	3	0	0	0	1	0	0
1078	GEL	17.2	LVET	4	4	0	0	0	0	0	0
1078	GEL	17.2	LVET	5	1	2	2	1	2	2	1
1078	GEL	17.2	LVET	5	2	2	1	0	2	1	0
1078	GEL	17.2	LVET	5	3	0	0	0	1	0	0
1078	GEL	17.2	LVET	5	4	0	0	0	0	0	0
1078	GEL	17.2	LVET	6	1	2	1	1	2	2	0
1078	GEL	17.2	LVET	6	2	2	1	1	2	1	0
1078	GEL	17.2	LVET	6	3	0	0	0	1	1	0
1078	GEL	17.2	LVET	6	4	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1079	VISCOUS LIQUID	28.3	LVET	1	1	2	1	1	2	1	0
1079	VISCOUS LIQUID	28.3	LVET	1	2	2	1	1	2	1	0
1079	VISCOUS LIQUID	28.3	LVET	1	3	1	1	0	1	1	0
1079	VISCOUS LIQUID	28.3	LVET	1	4	0	0	0	1	0	0
1079	VISCOUS LIQUID	28.3	LVET	1	7	0	0	0	0	0	0
1079	VISCOUS LIQUID	28.3	LVET	2	1	2	3	1	2	1	1
1079	VISCOUS LIQUID	28.3	LVET	2	2	2	2	1	2	1	0
1079	VISCOUS LIQUID	28.3	LVET	2	3	2	1	0	1	1	0
1079	VISCOUS LIQUID	28.3	LVET	2	4	0	0	0	1	0	0
1079	VISCOUS LIQUID	28.3	LVET	2	7	0	0	0	0	0	0
1079	VISCOUS LIQUID	28.3	LVET	3	1	2	1	1	2	1	0
1079	VISCOUS LIQUID	28.3	LVET	3	2	1	1	0	2	1	0
1079	VISCOUS LIQUID	28.3	LVET	3	3	0	0	0	2	1	0
1079	VISCOUS LIQUID	28.3	LVET	3	4	0	0	0	1	1	0
1079	VISCOUS LIQUID	28.3	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1080	VISCOUS LIQUID	2.0	LVET	1	1	0	0	0	1	0	0
1080	VISCOUS LIQUID	2.0	LVET	1	2	0	0	0	0	0	0
1080	VISCOUS LIQUID	2.0	LVET	1	3	0	0	0	0	0	0
1080	VISCOUS LIQUID	2.0	LVET	2	1	0	0	0	1	0	0
1080	VISCOUS LIQUID	2.0	LVET	2	2	0	0	0	0	0	0
1080	VISCOUS LIQUID	2.0	LVET	2	3	0	0	0	0	0	0
1080	VISCOUS LIQUID	2.0	LVET	3	1	0	0	0	1	0	0
1080	VISCOUS LIQUID	2.0	LVET	3	2	0	0	0	0	0	0
1080	VISCOUS LIQUID	2.0	LVET	3	3	0	0	0	0	0	0

BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1081	LIQUID	0.7	LVET	1	1	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	1	2	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	1	3	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	2	1	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	2	2	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	2	3	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	3	1	0	0	0	1	0	0
1081	LIQUID	0.7	LVET	3	2	0	0	0	0	0	0
1081	LIQUID	0.7	LVET	3	3	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1082	CREAMY LIQUID	0.0	LVET	1	1	0	0	0	0	0	0
1082	CREAMY LIQUID	0.0	LVET	2	1	0	0	0	0	0	0
1082	CREAMY LIQUID	0.0	LVET	3	1	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1083	LIQUID	26.7	LVET	1	1	1	4	0	2	1	2
1083	LIQUID	26.7	LVET	1	2	0	0	0	1	0	1
1083	LIQUID	26.7	LVET	1	3	0	0	0	0	0	0
1083	LIQUID	26.7	LVET	1	4	0	0	0	0	0	0
1083	LIQUID	26.7	LVET	1	7	0	0	0	0	0	0
1083	LIQUID	26.7	LVET	2	1	1	4	0	1	1	2
1083	LIQUID	26.7	LVET	2	2	0	0	0	1	0	1
1083	LIQUID	26.7	LVET	2	3	0	0	0	1	0	0
1083	LIQUID	26.7	LVET	2	4	0	0	0	0	0	0
1083	LIQUID	26.7	LVET	2	7	0	0	0	0	0	0
1083	LIQUID	26.7	LVET	3	1	1	2	0	2	2	2
1083	LIQUID	26.7	LVET	3	2	0	0	0	1	1	1
1083	LIQUID	26.7	LVET	3	3	0	0	0	1	0	1
1083	LIQUID	26.7	LVET	3	4	0	0	0	0	0	0
1083	LIQUID	26.7	LVET	3	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1084	LIQUID	4.7	DRAIZE	1	1	0	0	0	1	1	1
1084	LIQUID	4.7	DRAIZE	1	2	0	0	0	1	0	1
1084	LIQUID	4.7	DRAIZE	1	3	0	0	0	0	0	1
1084	LIQUID	4.7	DRAIZE	1	4	0	0	0	0	0	0
1084	LIQUID	4.7	DRAIZE	2	1	0	0	0	1	1	0
1084	LIQUID	4.7	DRAIZE	2	2	0	0	0	1	0	0
1084	LIQUID	4.7	DRAIZE	2	3	0	0	0	0	0	0
1084	LIQUID	4.7	DRAIZE	3	1	0	0	0	1	0	1
1084	LIQUID	4.7	DRAIZE	3	2	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1085	LIQUID	0.0	LVET	1	1	0	0	0	0	0	0
1085	LIQUID	0.0	LVET	2	1	0	0	0	0	0	0
1085	LIQUID	0.0	LVET	3	1	0	0	0	0	0	0

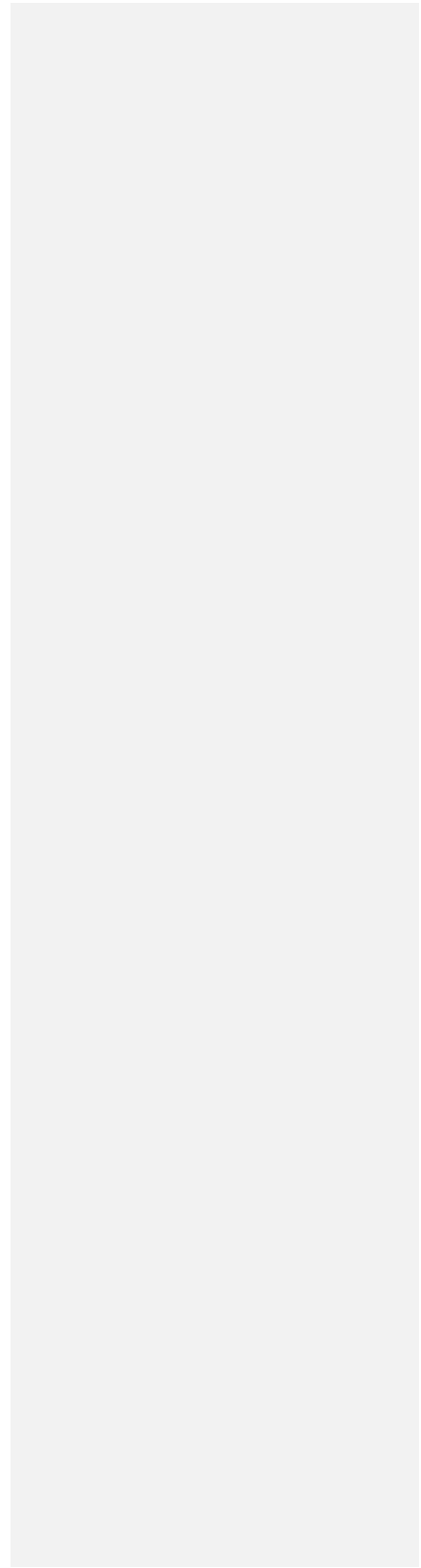
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1086	LIQUID	18.5	LVET	1	1	0	0	1	3	2	0
1086	LIQUID	18.5	LVET	1	2	0	0	0	2	2	1
1086	LIQUID	18.5	LVET	1	3	0	0	0	2	2	0
1086	LIQUID	18.5	LVET	1	4	0	0	0	1	2	0
1086	LIQUID	18.5	LVET	1	7	0	0	0	0	0	0
1086	LIQUID	18.5	LVET	2	1	1	1	1	3	3	2
1086	LIQUID	18.5	LVET	2	2	1	1	0	3	2	1
1086	LIQUID	18.5	LVET	2	3	0	0	0	2	1	0
1086	LIQUID	18.5	LVET	2	4	0	0	0	2	1	0
1086	LIQUID	18.5	LVET	2	7	0	0	0	0	0	0
1086	LIQUID	18.5	LVET	3	1	0	0	0	2	1	0
1086	LIQUID	18.5	LVET	3	2	0	0	0	1	1	0
1086	LIQUID	18.5	LVET	3	3	0	0	0	1	0	0
1086	LIQUID	18.5	LVET	3	4	0	0	0	1	0	0
1086	LIQUID	18.5	LVET	3	7	0	0	0	0	0	0
1086	LIQUID	18.5	LVET	4	1	1	1	1	3	3	2
1086	LIQUID	18.5	LVET	4	2	0	0	0	3	2	0
1086	LIQUID	18.5	LVET	4	3	0	0	0	1	1	0
1086	LIQUID	18.5	LVET	4	4	0	0	0	1	0	0
1086	LIQUID	18.5	LVET	4	7	0	0	0	0	0	0
1086	LIQUID	18.5	LVET	5	1	0	0	1	3	3	2
1086	LIQUID	18.5	LVET	5	2	0	0	0	2	1	0
1086	LIQUID	18.5	LVET	5	3	0	0	0	1	1	0
1086	LIQUID	18.5	LVET	5	4	0	0	0	1	0	0
1086	LIQUID	18.5	LVET	5	7	0	0	0	0	0	0
1086	LIQUID	18.5	LVET	6	1	0	0	1	3	2	1
1086	LIQUID	18.5	LVET	6	2	0	0	0	2	1	0
1086	LIQUID	18.5	LVET	6	3	0	0	0	1	0	0
1086	LIQUID	18.5	LVET	6	4	0	0	0	1	0	0
1086	LIQUID	18.5	LVET	6	7	0	0	0	0	0	0
BRD Ref Number	Physical Form	Group MAS	Study Type	Rabbit Number	Day	Cornea OPAC	Cornea AREA	Iris GRADE	Conjunctiva Redness	Conjunctiva Chemosis	Conjunctiva Discharge
1087	LIQUID	2.0	LVET	1	1	0	0	0	0	0	0
1087	LIQUID	2.0	LVET	2	1	0	0	0	1	1	0
1087	LIQUID	2.0	LVET	2	2	0	0	0	1	0	0
1087	LIQUID	2.0	LVET	2	3	0	0	0	0	0	0
1087	LIQUID	2.0	LVET	3	1	0	0	0	1	0	0
1087	LIQUID	2.0	LVET	3	2	0	0	0	0	0	0

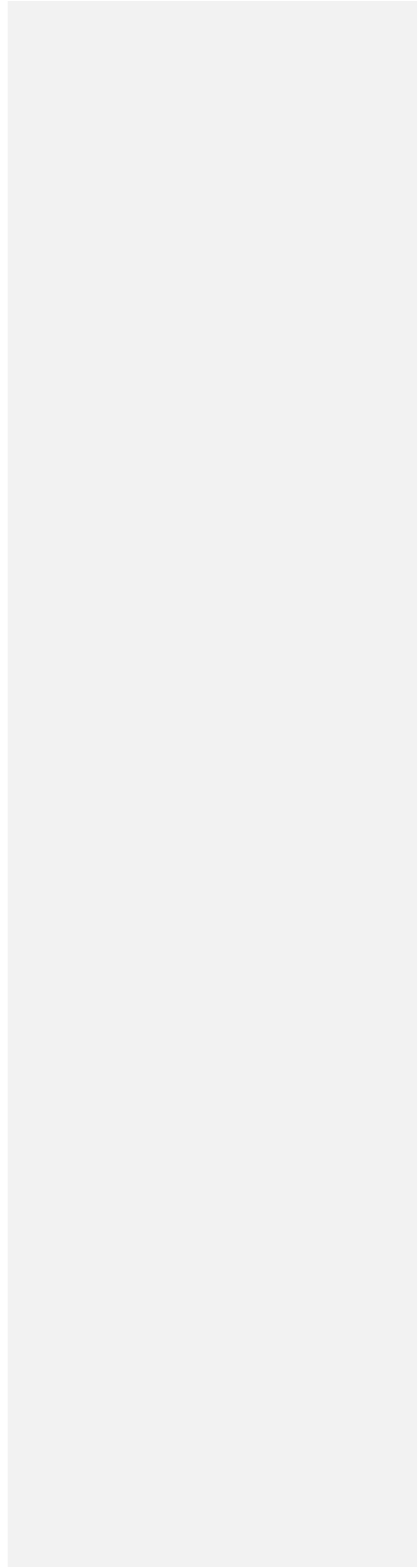
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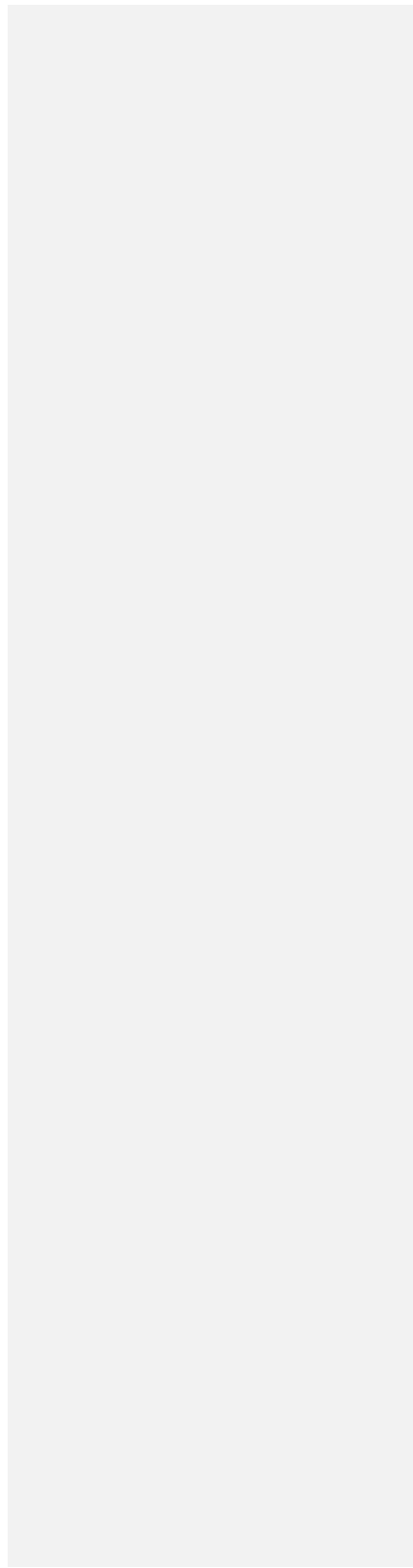
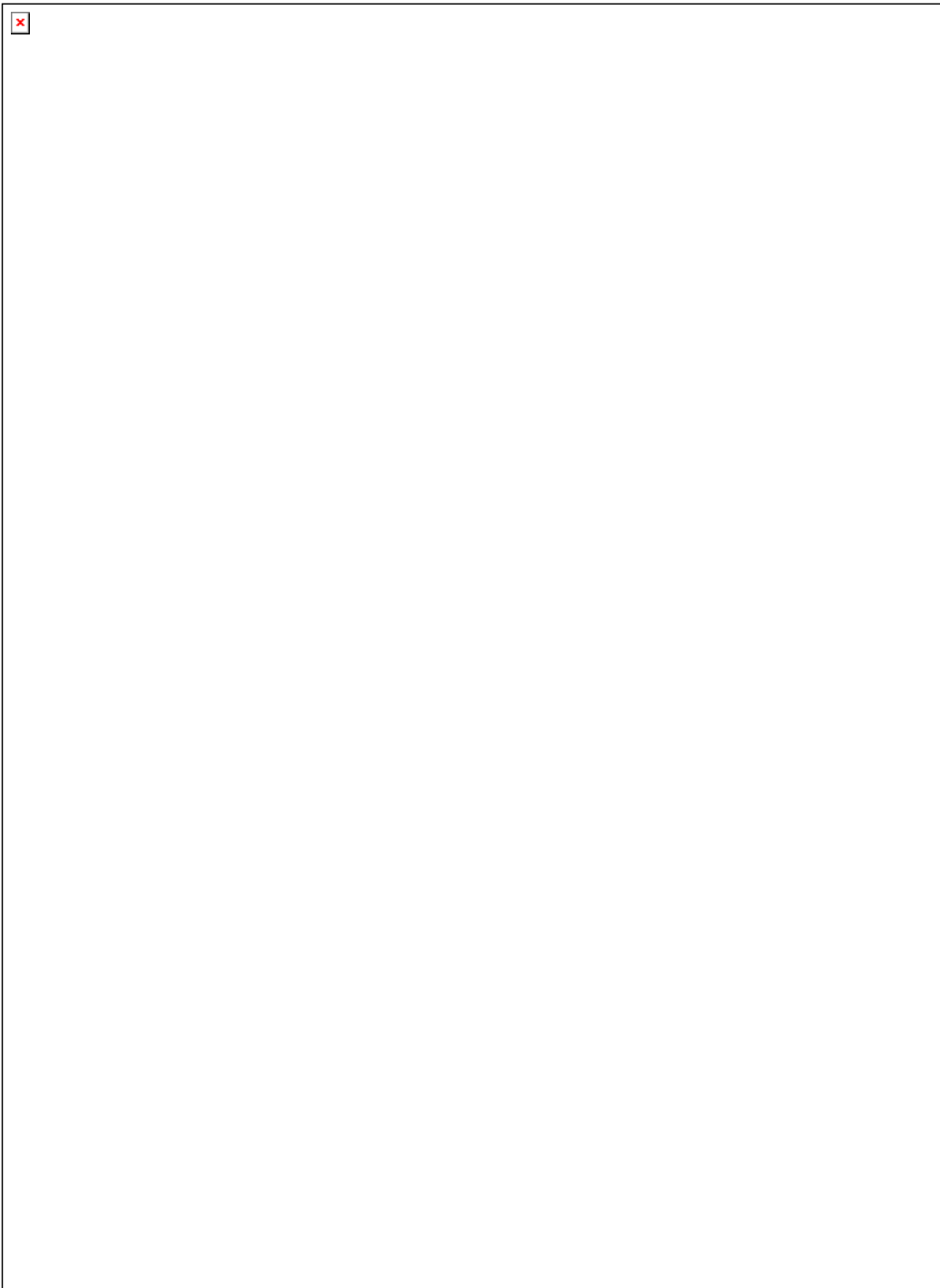


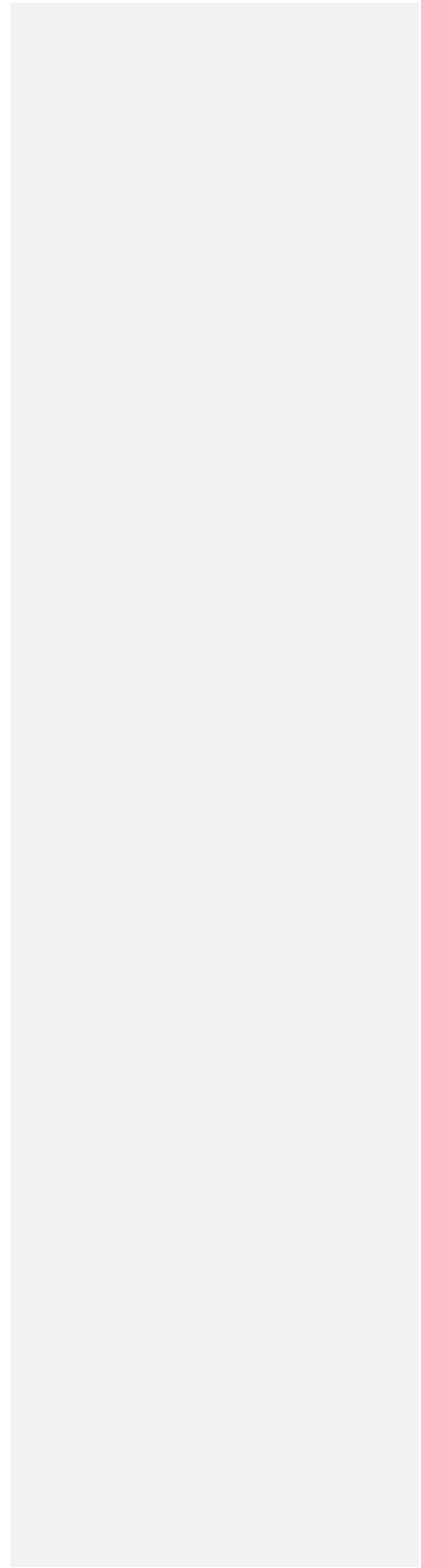


**ANNEX L**  
**(EC/HO Animal Data)**









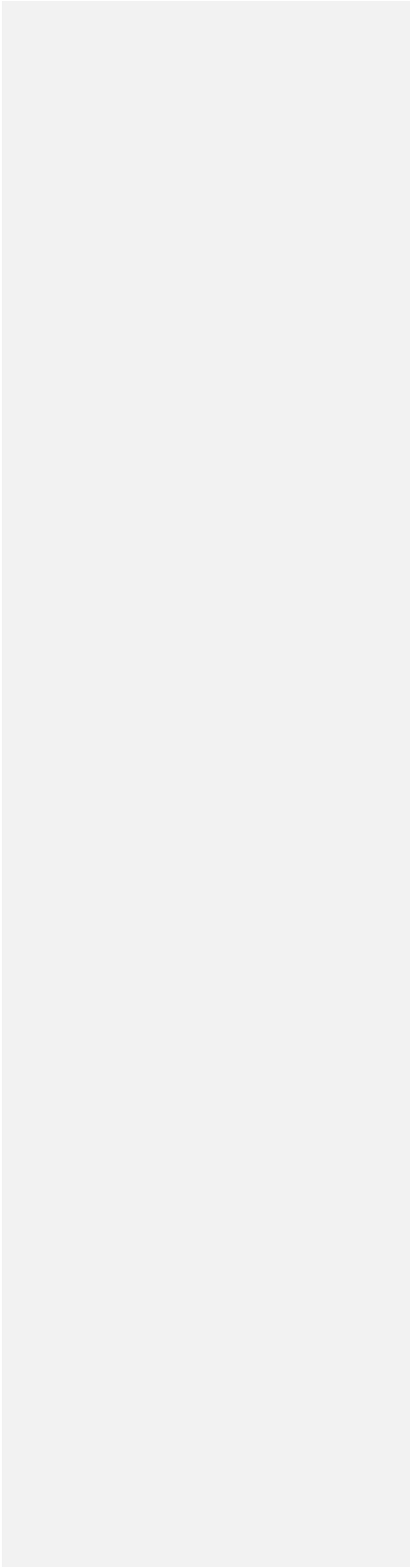
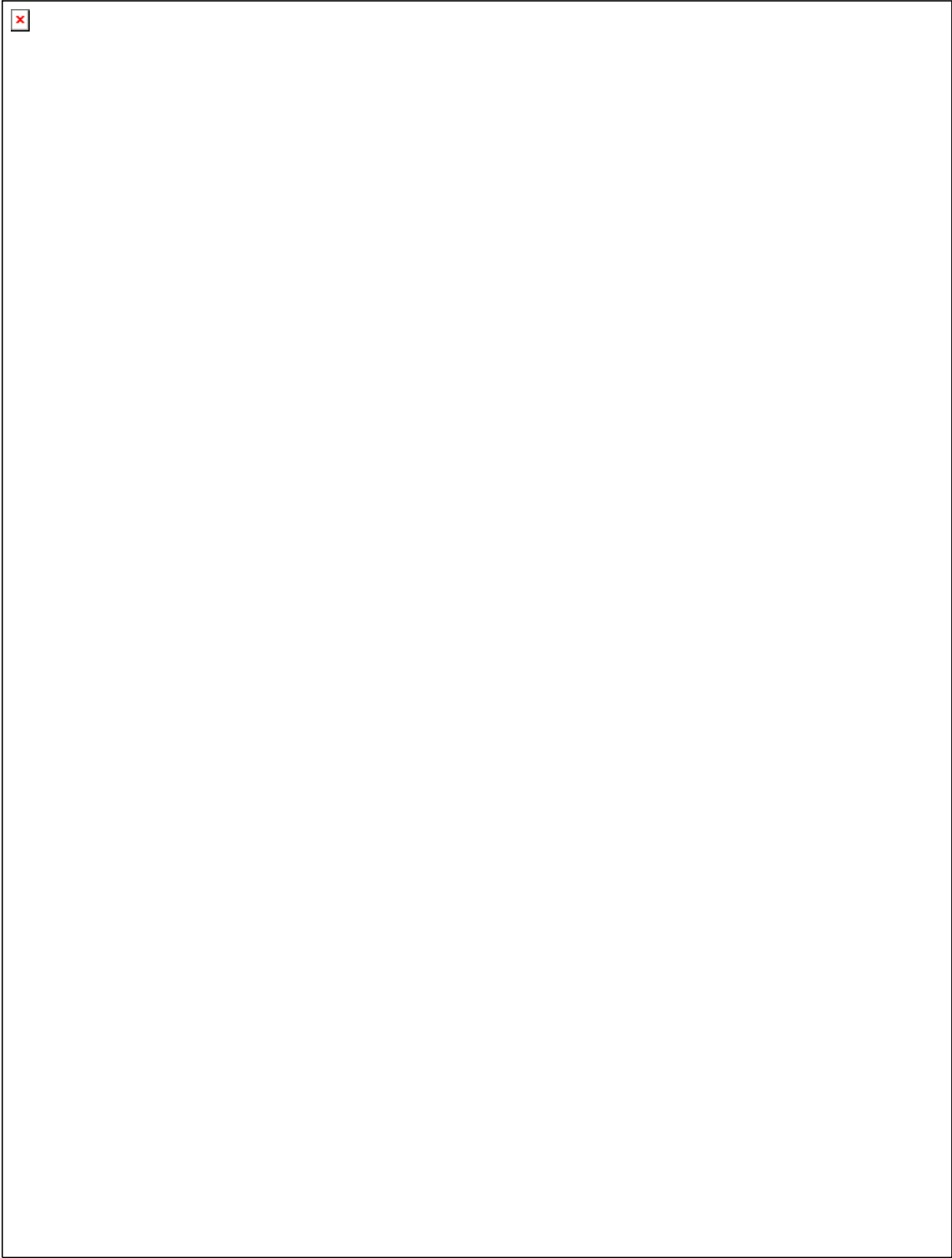
## Trichloroacetic Acid

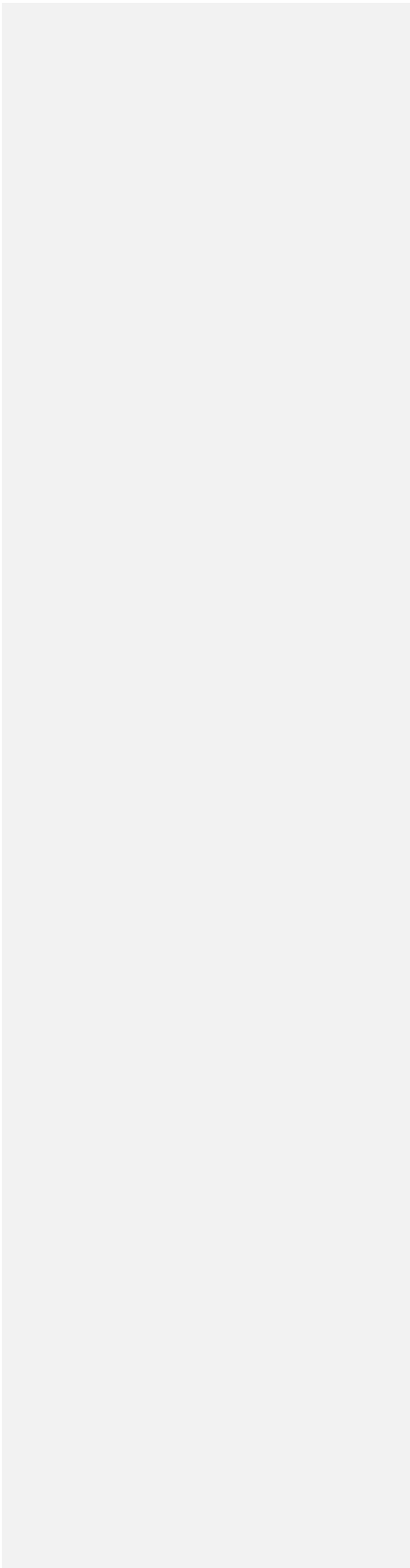
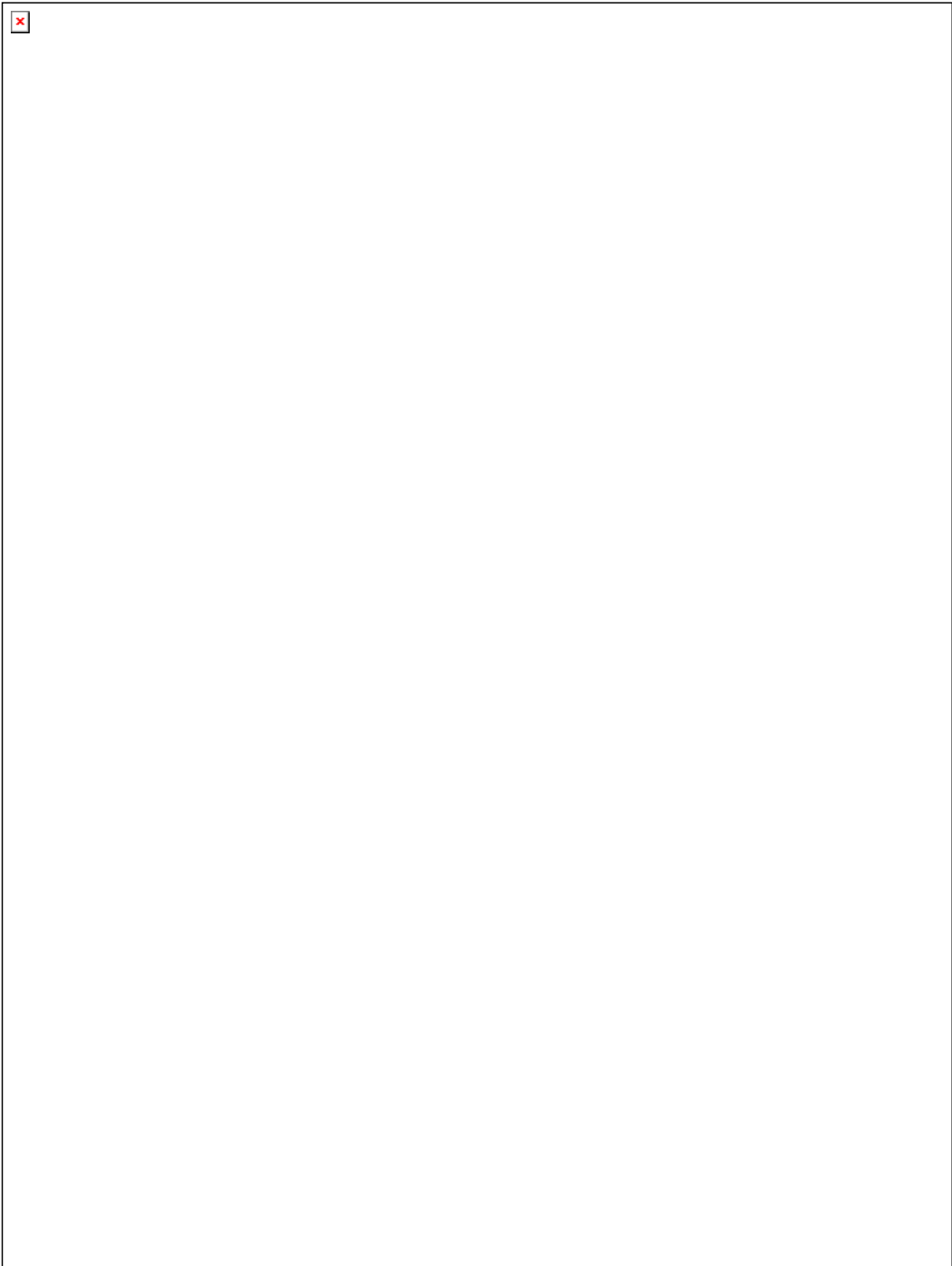
Source	Fisher	Concentration tested	30.0 %
Specification		Volume tested	0.1 ml
CAS No.	76-03-9	No. of rabbits	1
Purity	Reagent Grade		

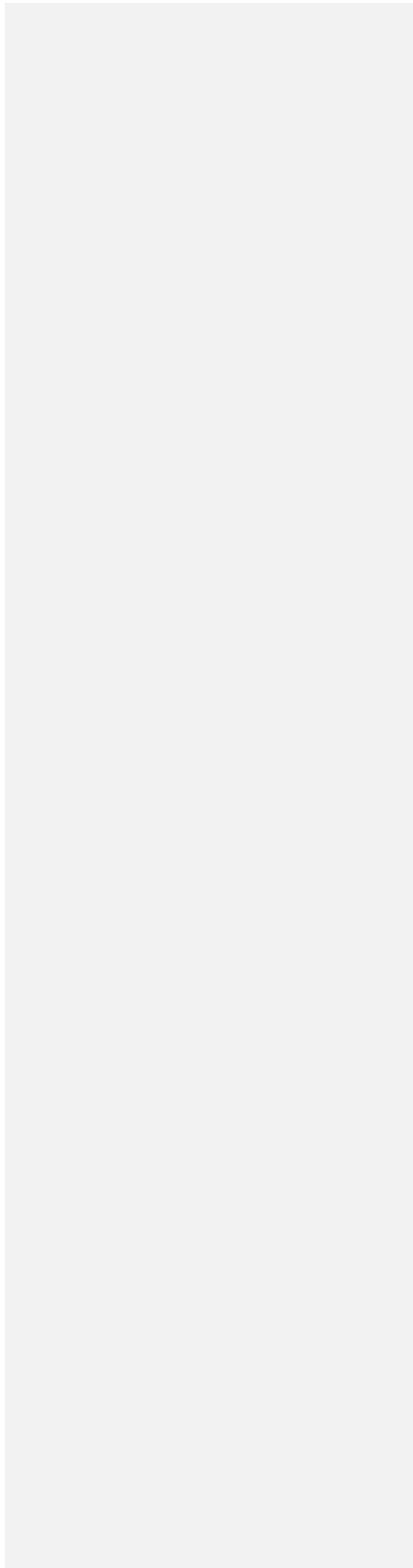
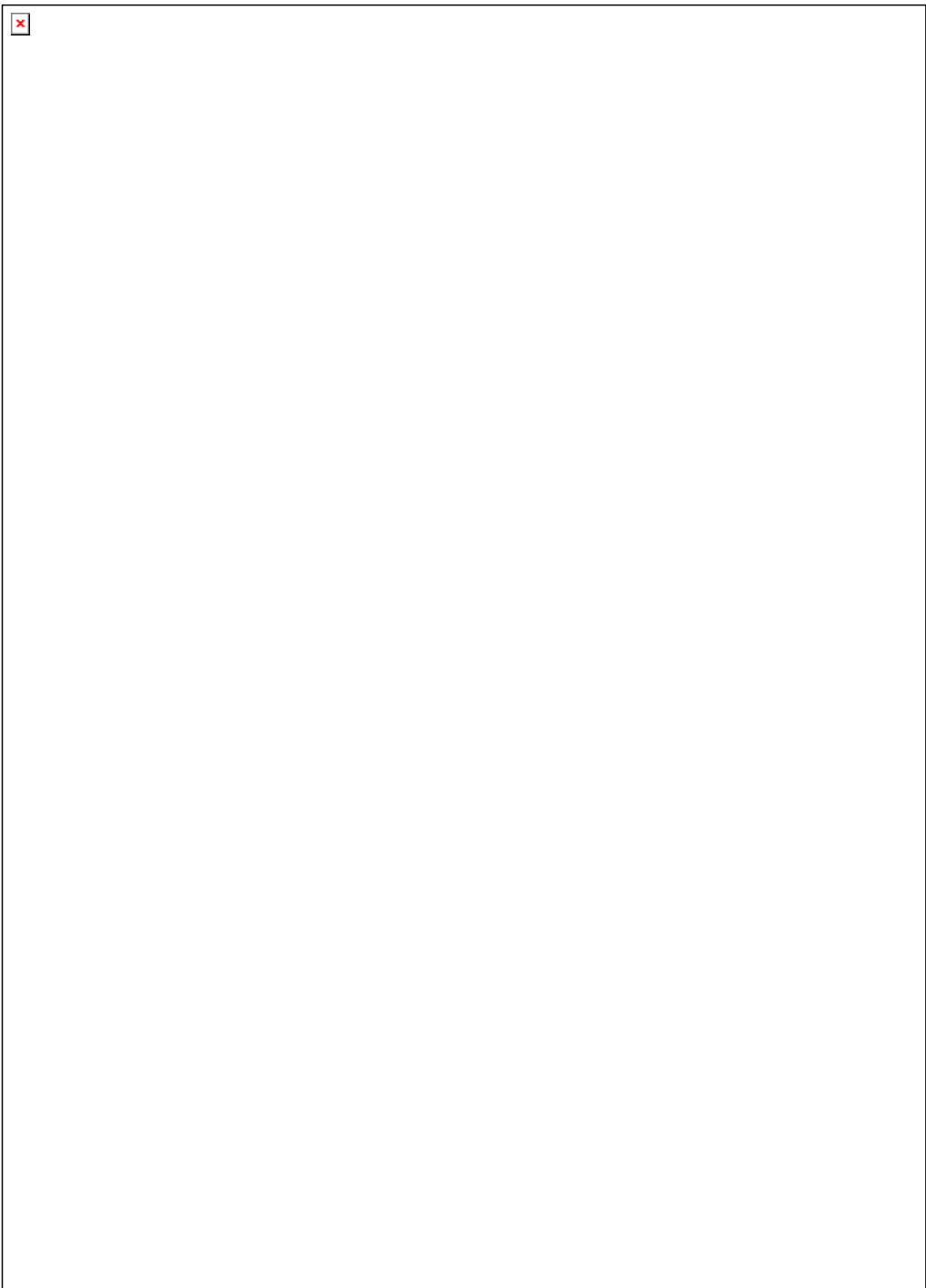
Animal No.	1	Observation period (days)													
		1 h	4 h	1	2	3	4	7	9	10	12	14	21		
Cornea	Opacity	A	-	-	4	4	4	-	3	-	3	-	3	2	
	Area involved (AxB) x 5	B	-	-	4	4	4	-	4	-	4	-	4	2	
Iris		C	-	-	2 <sup>a</sup>	2 <sup>a</sup>	2 <sup>a</sup>	-	2 <sup>a</sup>	-	2 <sup>a</sup>	-	2 <sup>a</sup>	2 <sup>a</sup>	
	C x 5		-	-	10	10	10	-	10	-	10	-	10	10	
Conjunctiva	Redness	D	-	-	2	2	2	-	2	-	1	-	1	2	
	Chemosis	E	-	-	3	3	3	-	2	-	2	-	2	2	
	Discharge	F	-	-	3	3	3	-	2	-	2	-	2	2	
	(D+E+F) x 2		-	-	16	16	16	-	12	-	10	-	10	12	
<b>Total</b>				-	-	106	106	106	-	82	-	80	-	80	42

MMAS (Modified Maximum Average Score) = 106

<sup>a</sup> Maximum score assumed for iris (obscured by opacity)







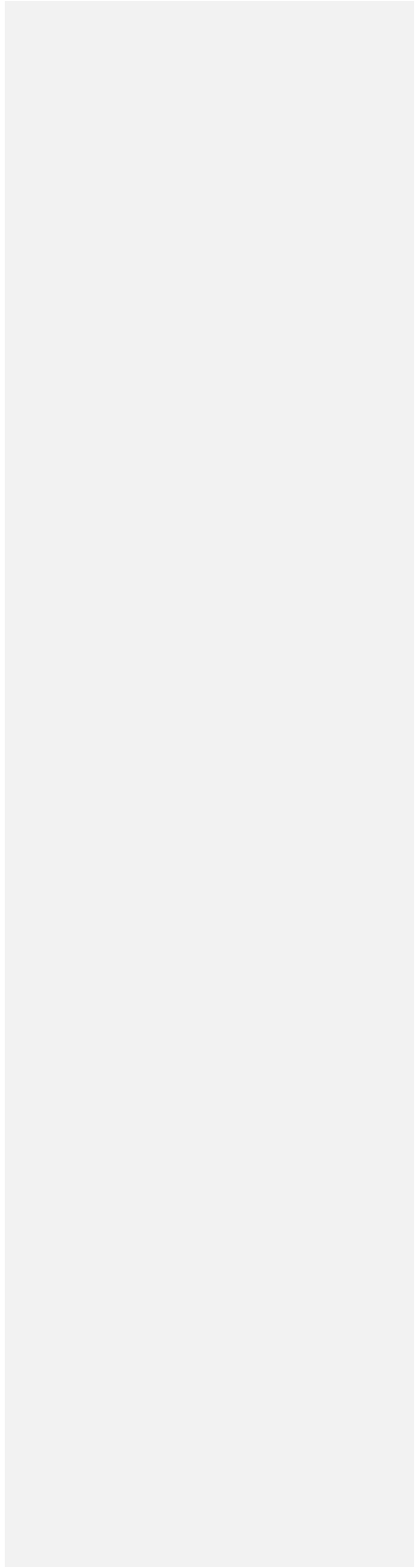
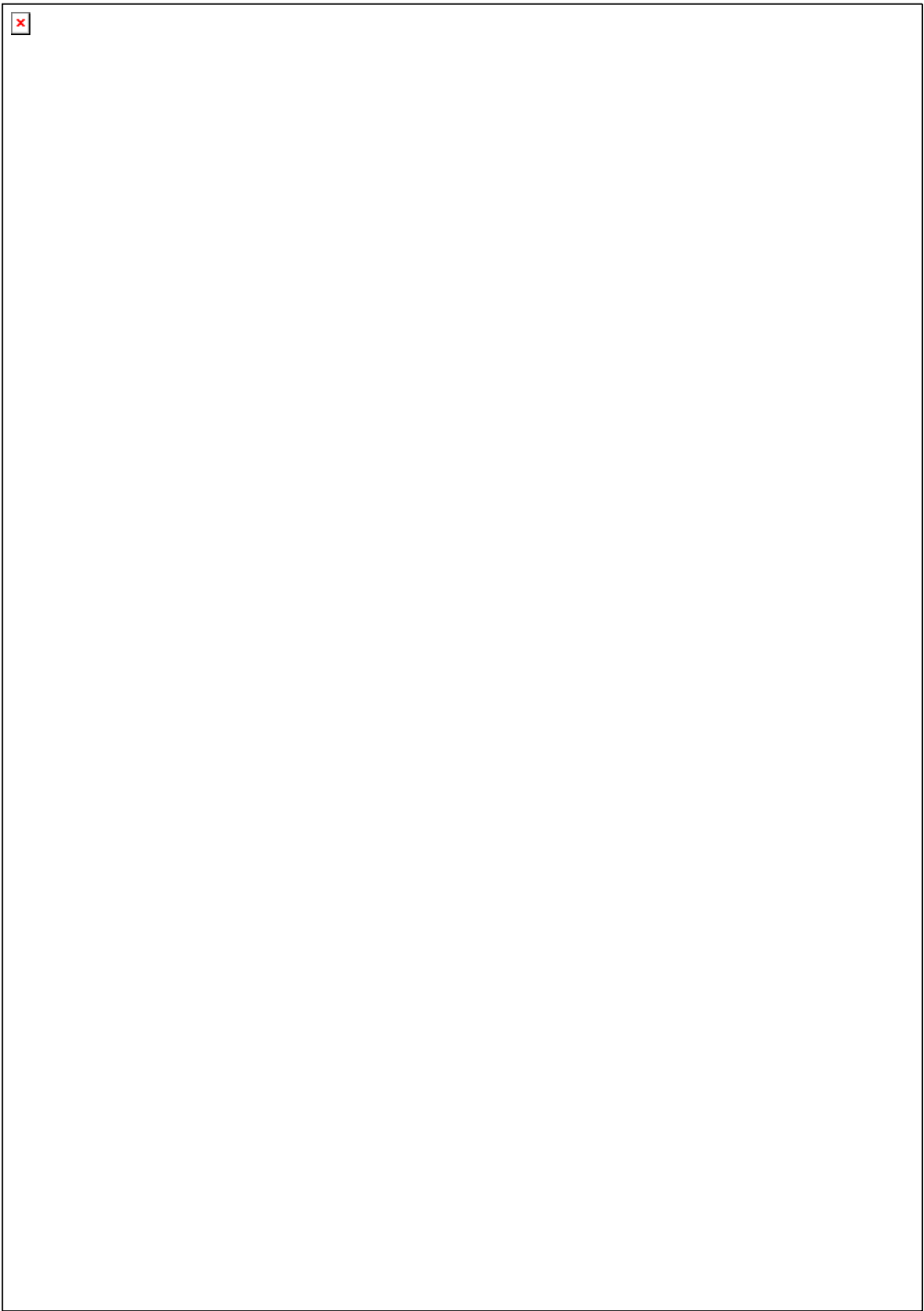


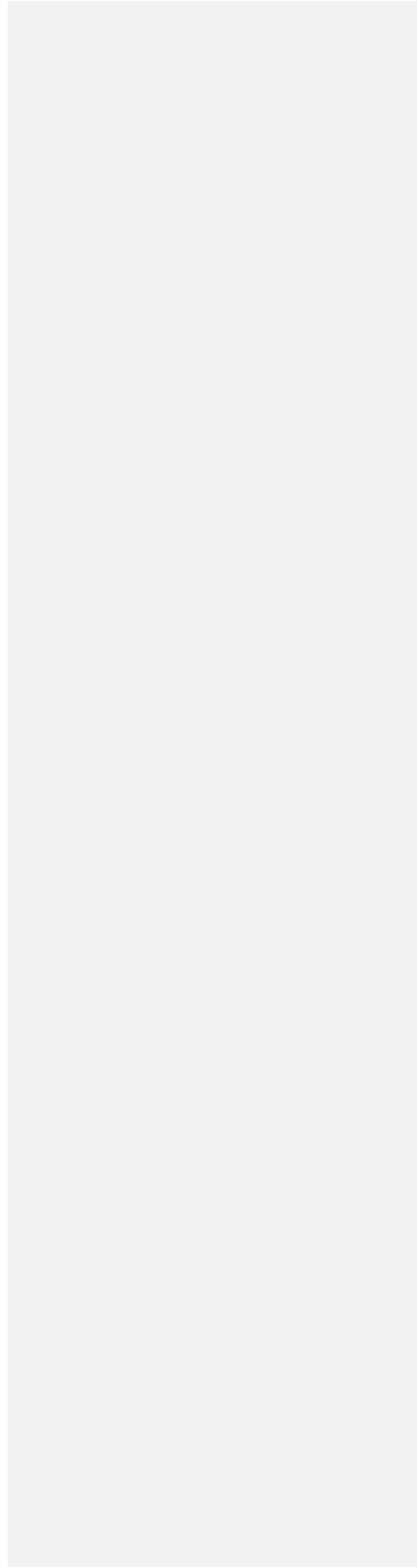
**Cetyl Pyridinium Bromide**

Animal No.	4		Observation period (days)											
			1 h	4 h	1	2	3	4	7	9	10	12	14	21
Cornea	Opacity	A	-	-	2	2	3	-	3 <sup>a</sup>	-	2	-	1	-
	Area involved (AxB) x 5	B	-	-	4	4	4	-	4	-	1	-	1	-
Iris		C	-	-	2	2	2	-	2	-	1	-	0	-
	C x 5		-	-	10	10	10	-	10	-	5	-	0	-
Conjunctiva	Redness	D	-	-	2	2	2	-	2	-	2	-	1	-
	Chemosis	E	-	-	4	4	4	-	2	-	1	-	1	-
	Discharge (D+E+F) x 2	F	-	-	2	2	2	-	2	-	1	-	0	-
<b>Total</b>			-	-	<b>66</b>	<b>66</b>	<b>86</b>	-	<b>82</b>	-	<b>23</b>	-	<b>9</b>	-

**MMAS (Modified Maximum Average Score)  $(90+86+81+86) / 4 = 85.8$**

<sup>a</sup> Pannus





**Benzalkonium Chloride**

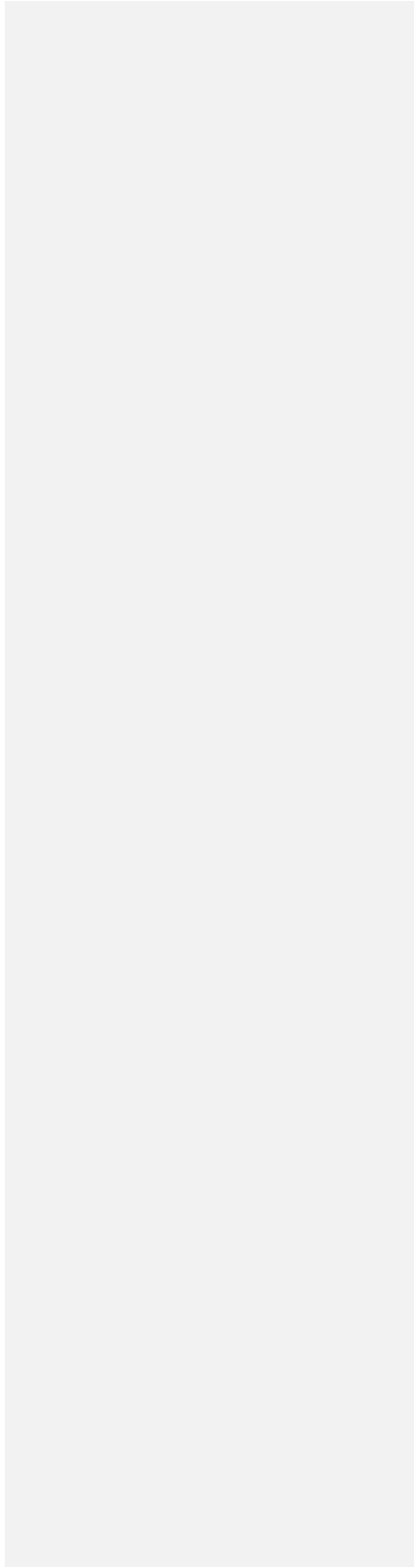
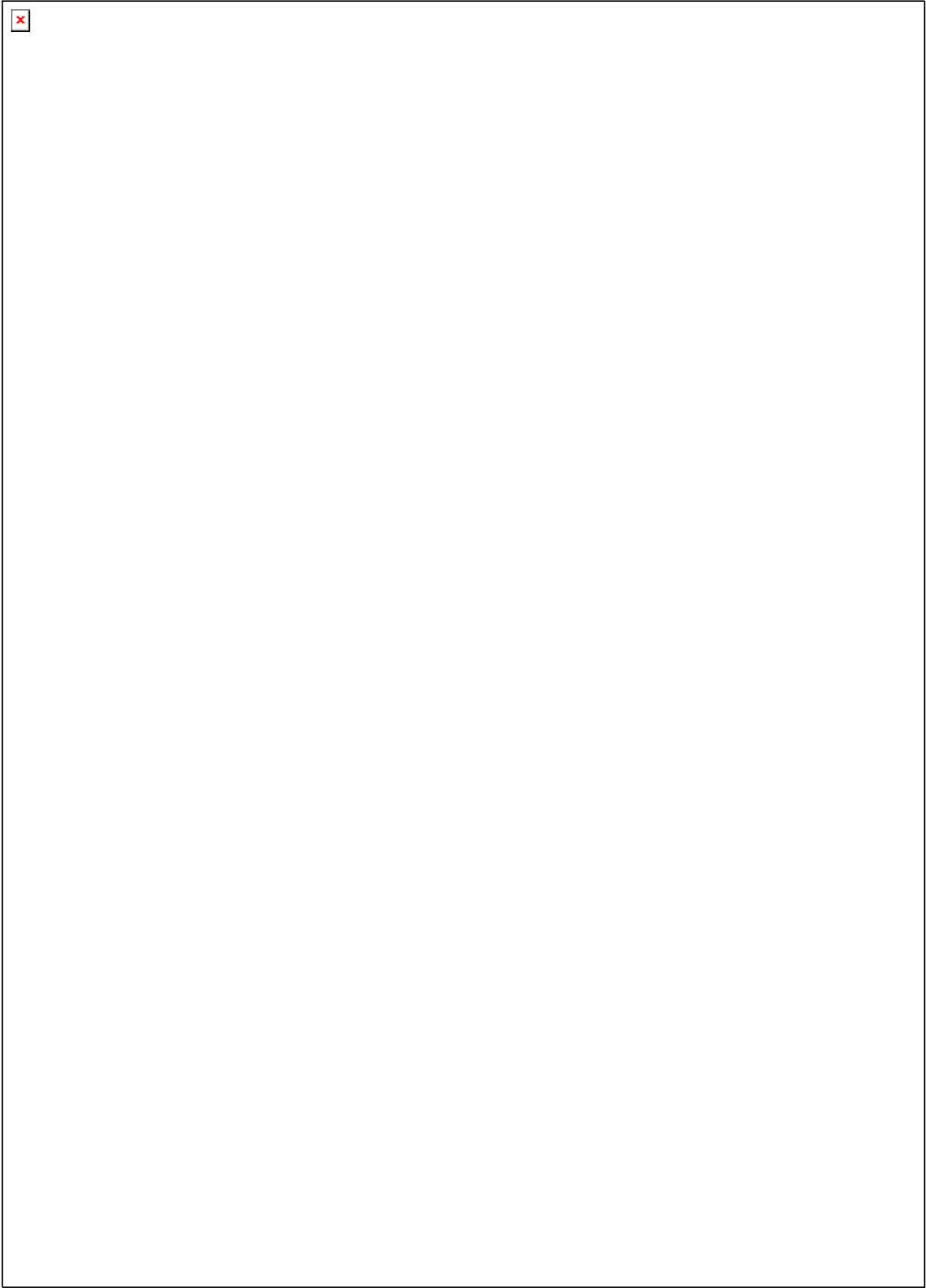
Animal No.	4	Observation period (days)												
		1 h	4 h	1	2	3	4	7	9	10	12	14	21	
Cornea	Opacity	A	-	-	3	3	2	-	1	-	0	-	0	0
	Area involved (AxB) x 5	B	-	-	4	3	2	-	2	-	0	-	0	0
Iris		C	-	-	2	2	1	-	0	-	0	-	0	0
	C x 5		-	-	10	10	5	-	0	-	0	-	0	0
Conjunctiva	Redness	D	-	-	2	2	2	-	1	-	1	-	1	0
	Chemosis	E	-	-	3	3	3	-	1	-	1	-	1	0
	Discharge	F	-	-	2	2	2	-	0	-	0	-	0	0
	(D+E+F) x 2		-	-	14	14	14	-	4	-	4	-	4	0
<b>Total</b>		-	-	<b>84</b>	<b>69</b>	<b>39</b>	-	<b>14</b>	-	<b>4</b>	-	<b>4</b>	<b>0</b>	

**MMAS (Modified Maximum Average Score)  $(81+88+82+84) / 4 = 83.8$**

<sup>a</sup> Keratoconus

<sup>b</sup> Pannus

<sup>c</sup> Maximum score assumed for iris (obscured by opacity)

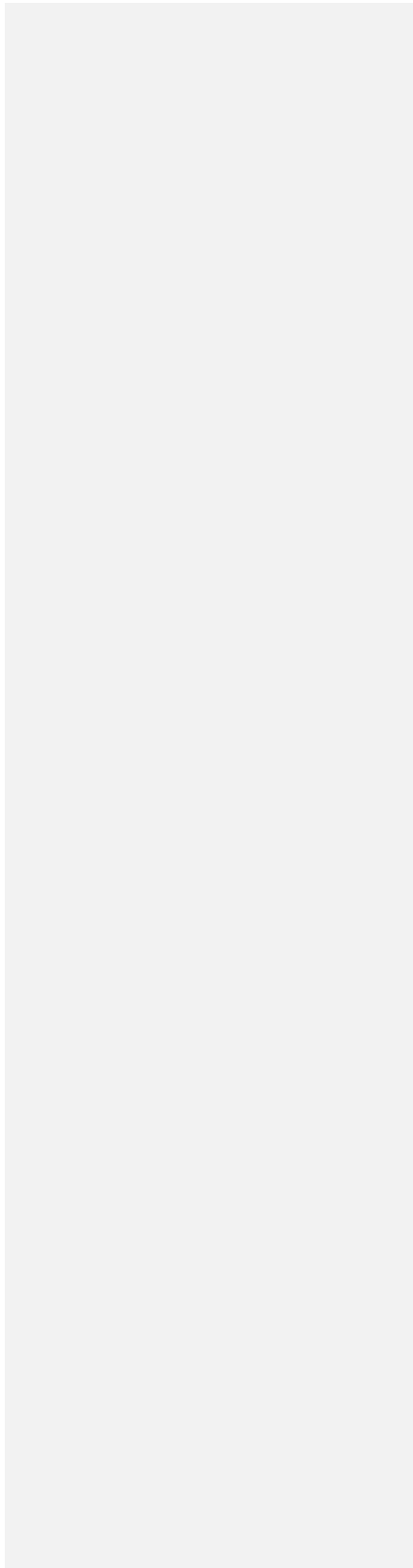


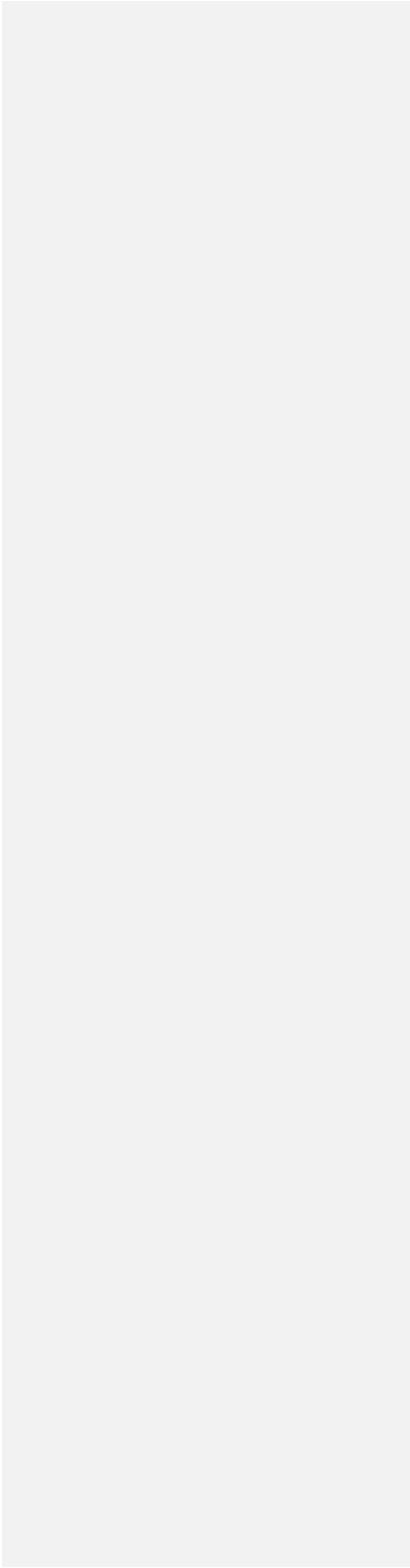
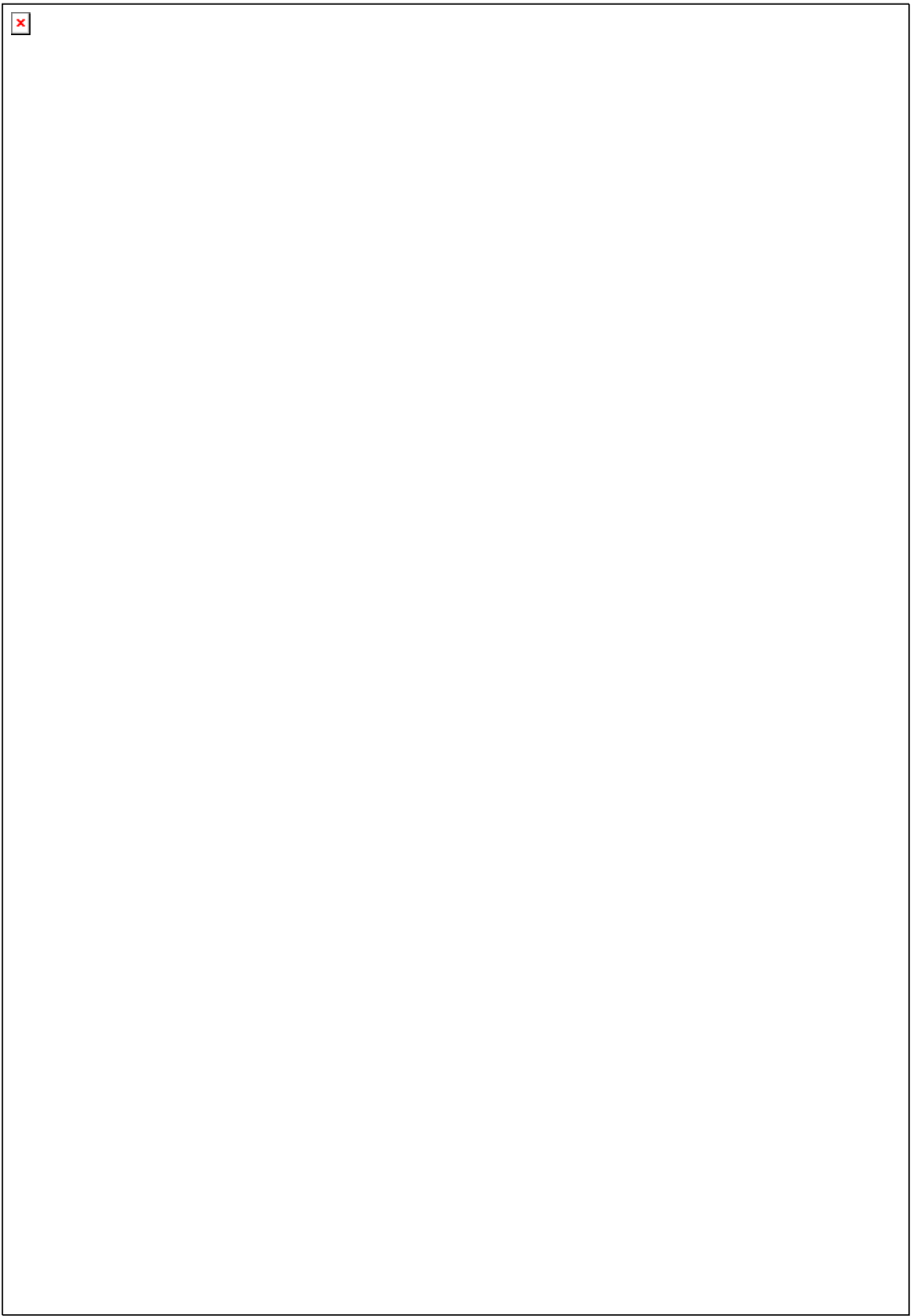
			Cyclohexanol											
			Observation period (days)											
Animal No.			1 h	4 h	1	2	3	4	7	9	10	12	14	21
Animal No. 4	Cornea	Opacity A	-	-	3	3	3	-	1	-	0	-	-	-
		Area involved B	-	-	4	4	4	-	1	-	0	-	-	-
		(AxB) x 5	-	-	60	60	60	-	5	-	0	-	-	-
Iris	C x 5	C	-	-	1	1	1	-	0	-	0	-	-	-
		-	-	5	5	5	-	0	-	0	-	-	-	
Conjunctiva	Redness D	-	-	2	2	2	-	1	-	0	-	-	-	
	Chemosis E	-	-	3	2	2	-	1	-	0	-	-	-	
	Discharge F	-	-	3	2	2	-	0	-	0	-	-	-	
	(D+E+F) x 2	-	-	16	12	12	-	4	-	0	-	-	-	
<b>Total</b>			-	-	<b>81</b>	<b>77</b>	<b>77</b>	-	<b>9</b>	-	<b>0</b>	-	-	-

MMAS (Modified Maximum Average Score)  $(77+79+86+77) / 4 = 79.8$

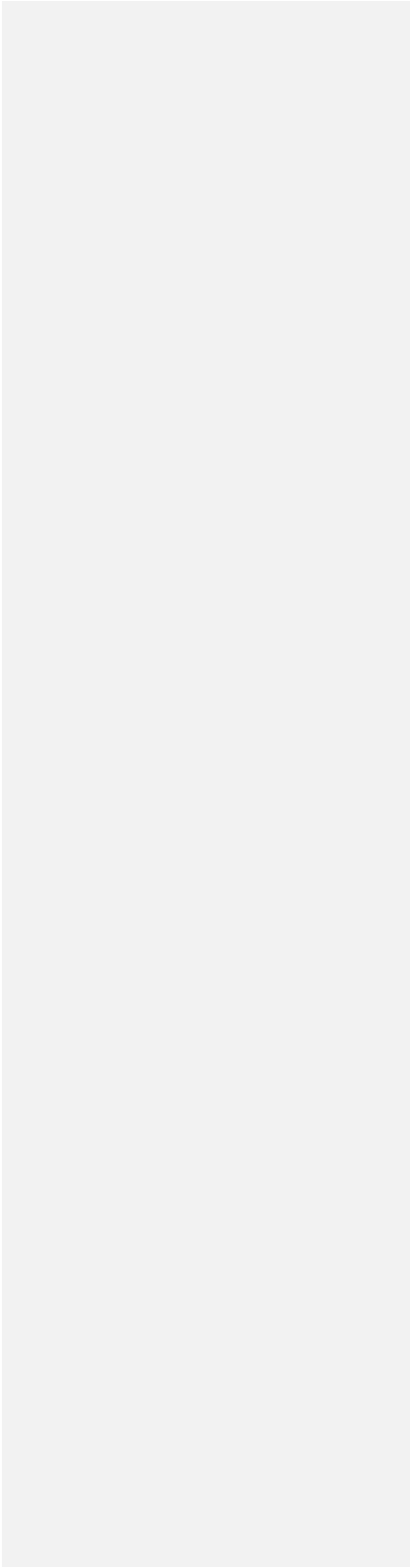
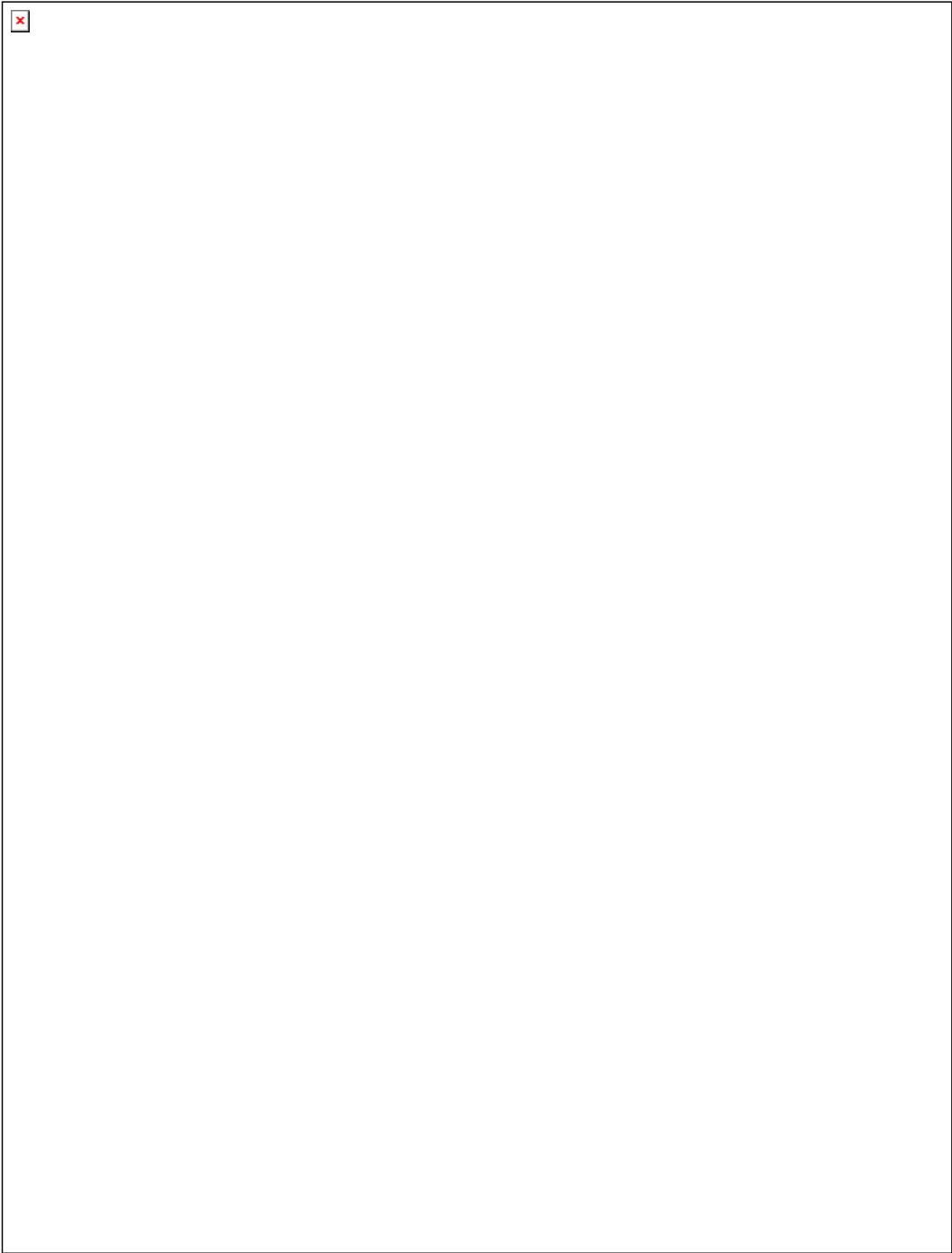
<sup>a</sup> Pannus

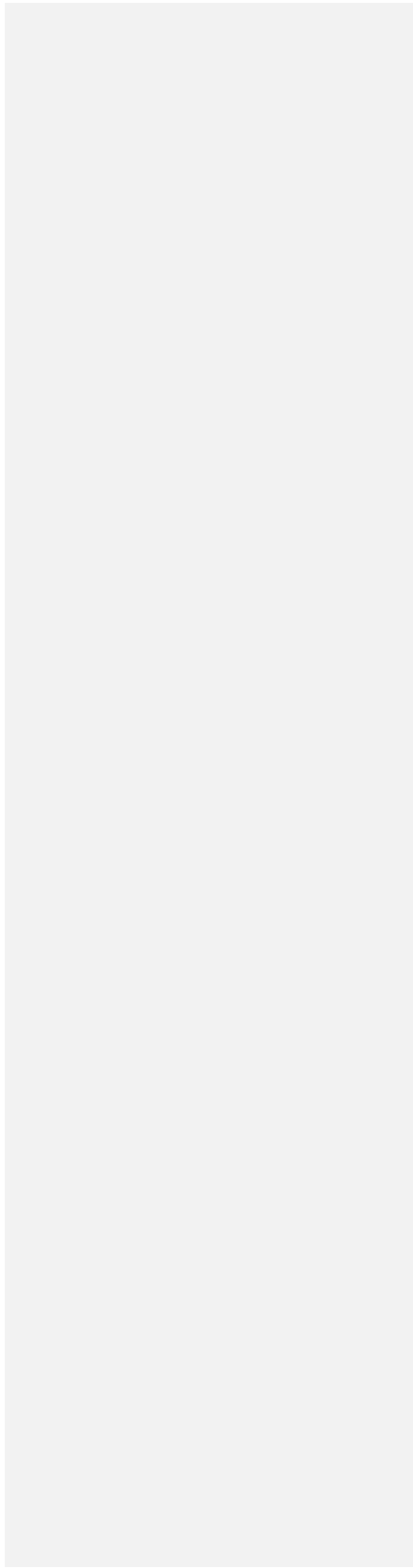
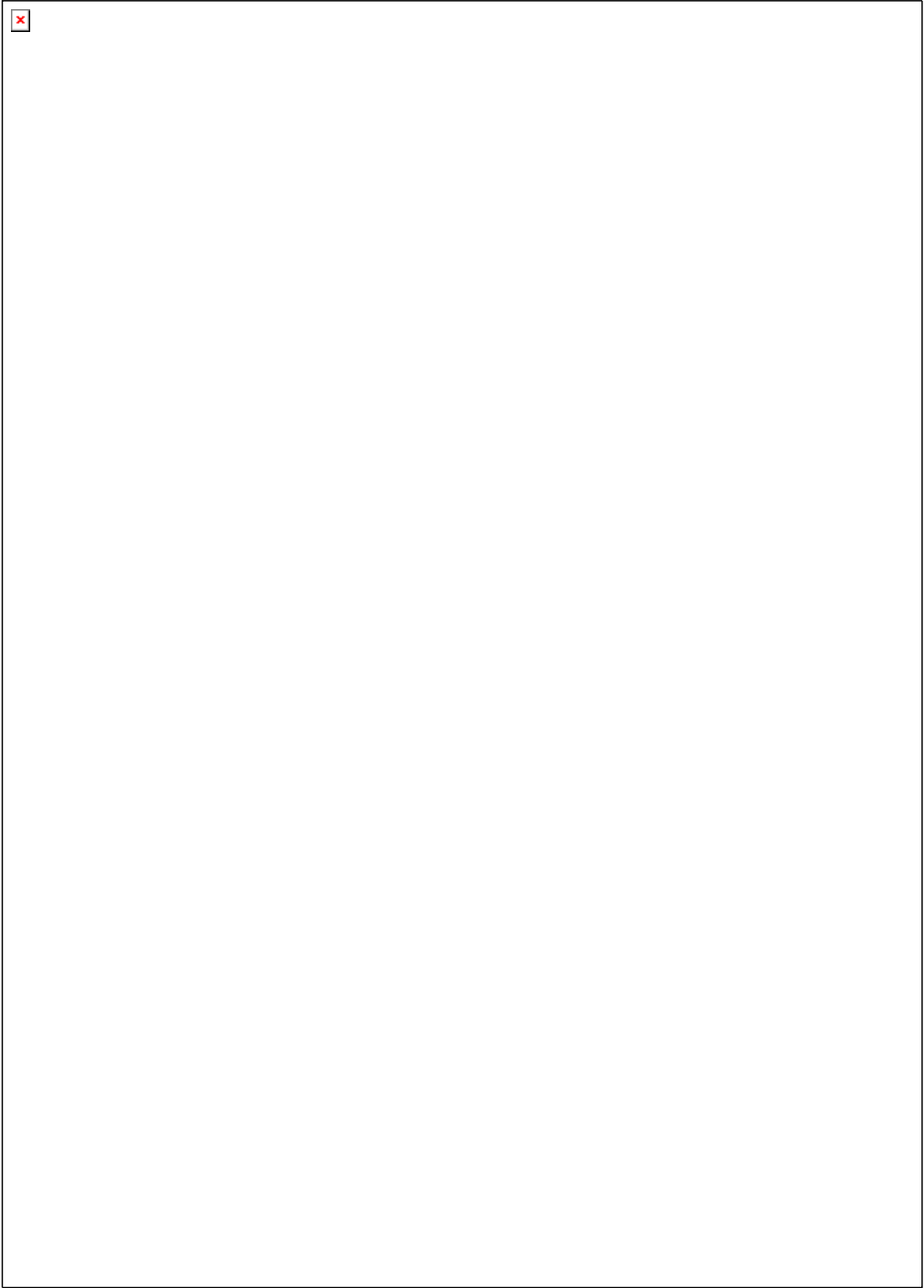
<sup>b</sup> Sanguineous discharge







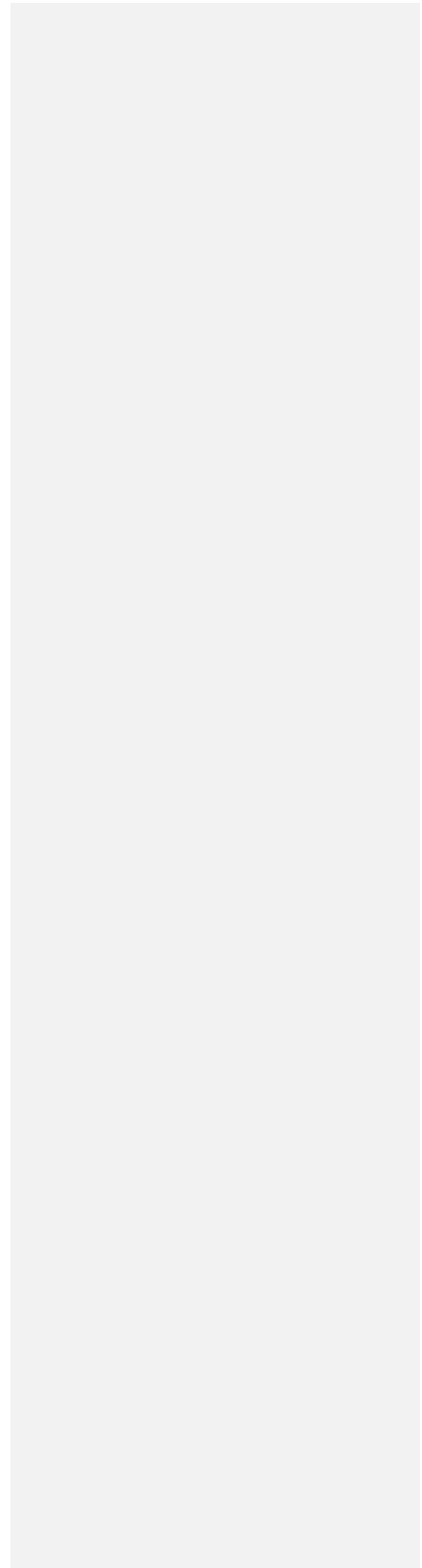
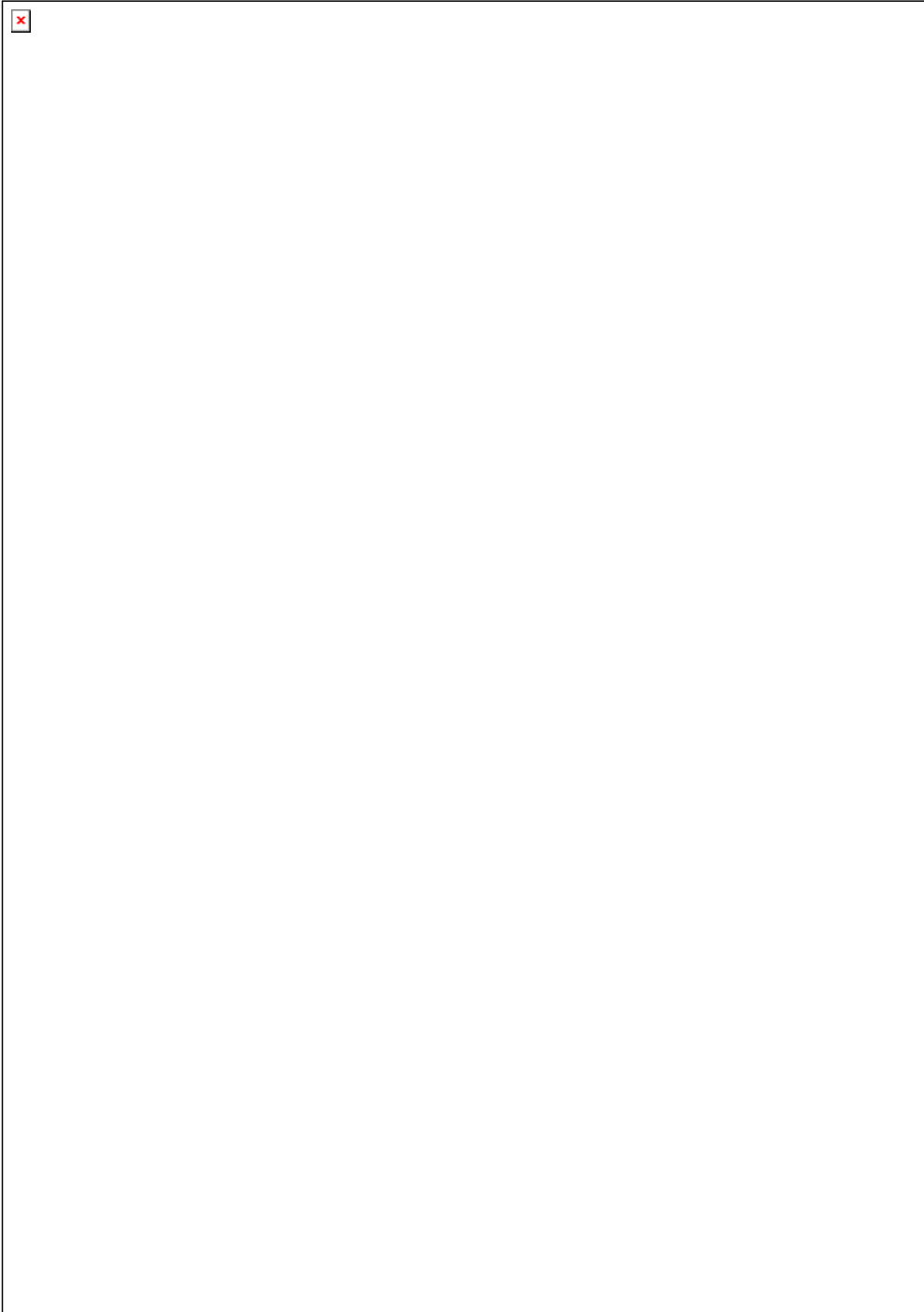




**Acetone**

Animal No.	4		Observation period (days)											
			1 h	4 h	1	2	3	4	7	9	10	12	14	21
Cornea	Opacity	A	-	-	2	2	2	-	0	-	0	-	-	-
	Area involved (AxB) x 5	B	-	-	4	2	1	-	0	-	0	-	-	-
Iris	C x 5	C	-	-	2	1	1	-	0	-	0	-	-	-
			-	-	10	5	5	-	0	-	0	-	-	-
Conjunctiva	Redness	D	-	-	3	3	3	-	2	-	0	-	-	-
	Chemosis	E	-	-	3	2	2	-	2	-	0	-	-	-
	Discharge	F	-	-	3	3	3	-	1	-	0	-	-	-
	(D+E+F) x 2		-	-	18	16	16	-	10	-	0	-	-	-
<b>Total</b>			-	-	<b>68</b>	<b>41</b>	<b>31</b>	-	<b>10</b>	-	<b>0</b>	-	-	-

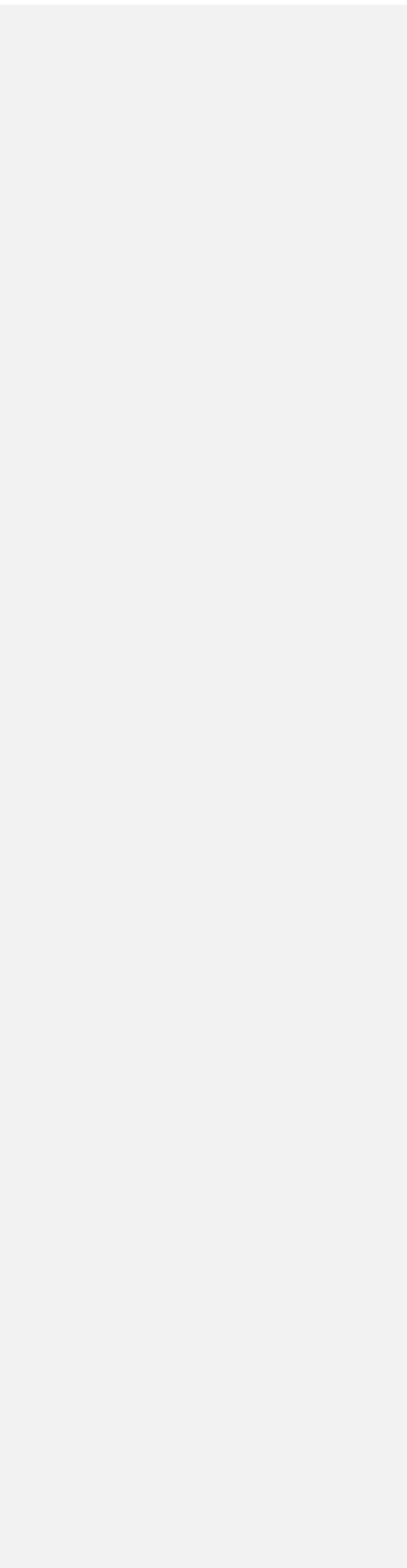
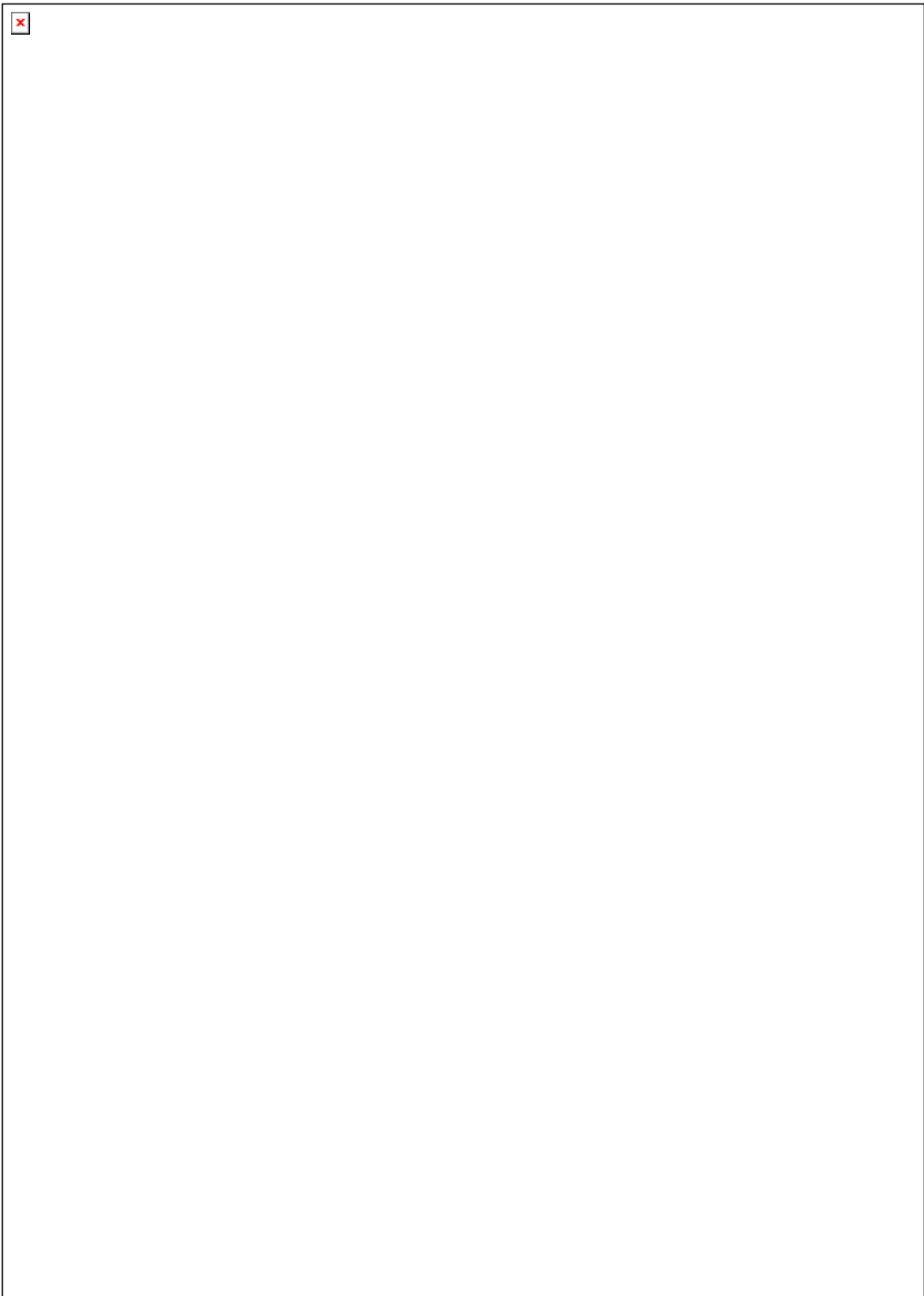
**MMAS (Modified Maximum Average Score)  $(68+59+68+68) / 4 = 65.8$**

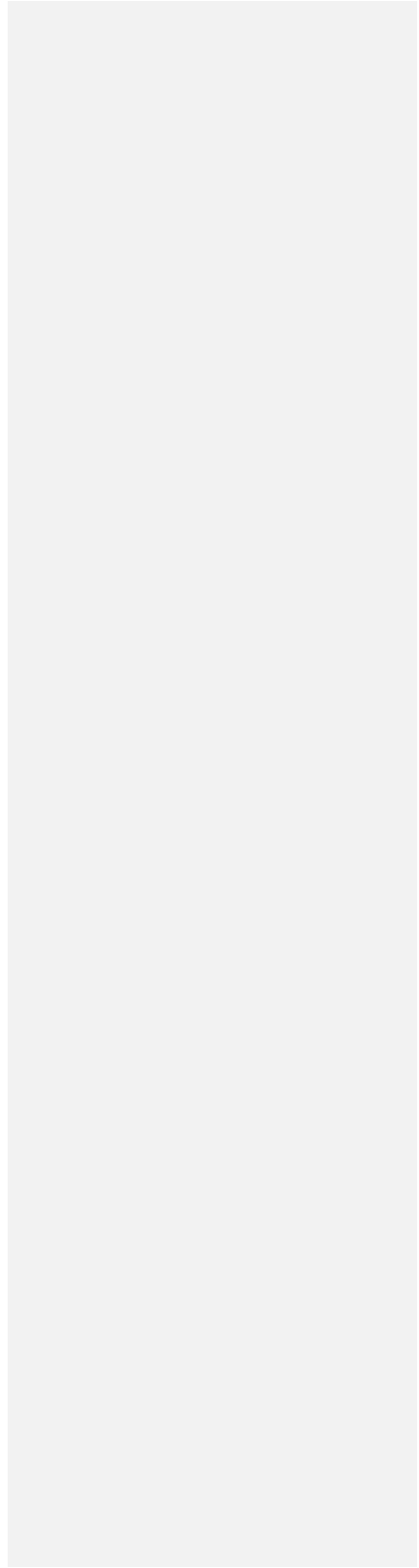


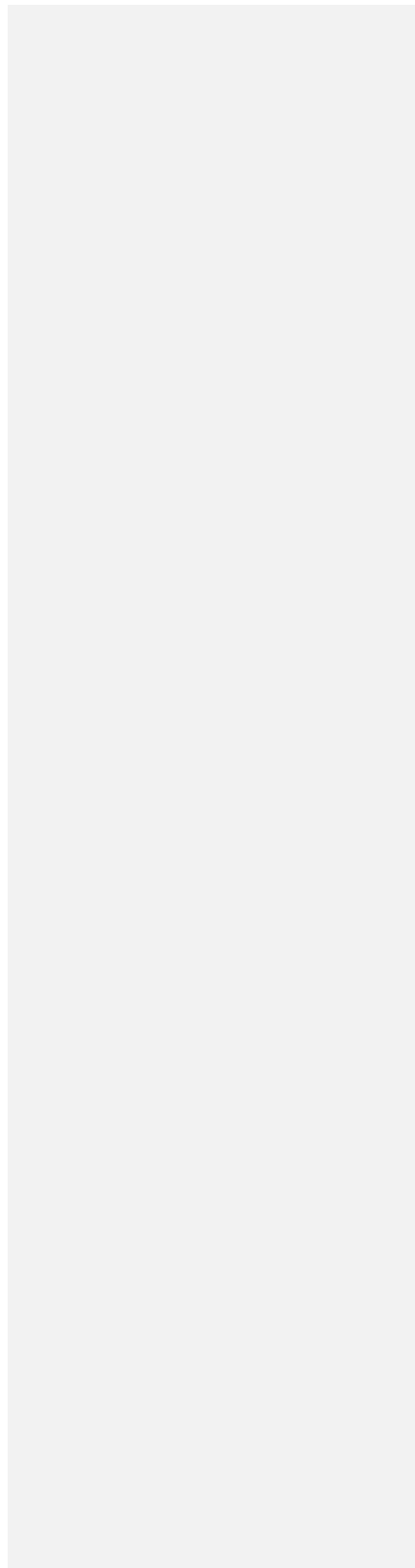
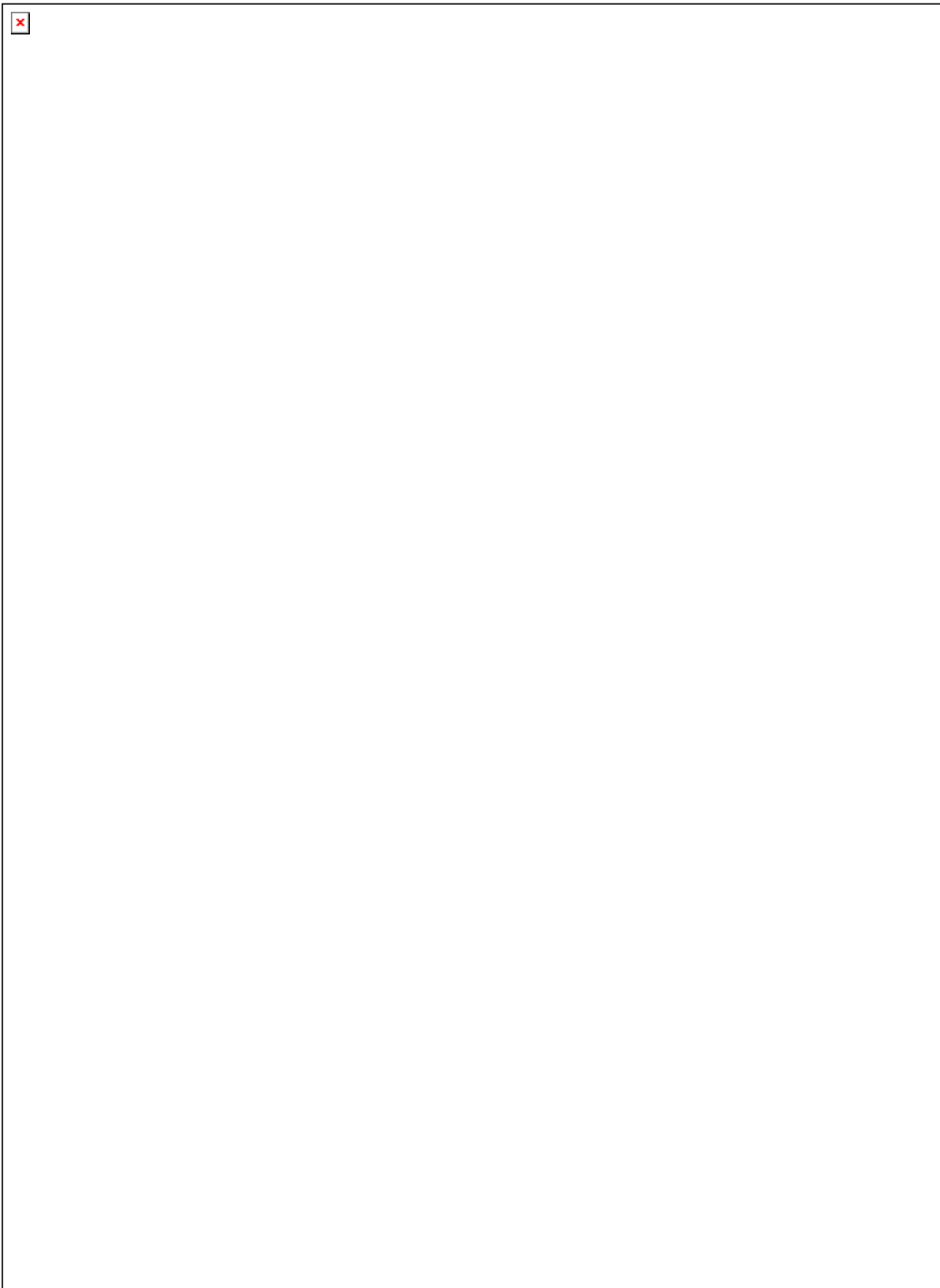
**iso-Butanol**

Animal No.	4	Observation period (days)												
		1 h	4 h	1	2	3	4	7	9	10	12	14	21	
Cornea	Opacity	A	-	-	3	2	1	-	0	-	0	-	0	-
	Area involved (AxB) x 5	B	-	-	2	1	1	-	0	-	0	-	0	-
Iris		C	-	-	1	1	0	-	0	-	0	-	0	-
	C x 5		-	-	5	5	0	-	0	-	0	-	0	-
Conjunctiva	Redness	D	-	-	3	2	1	-	1	-	1	-	0	-
	Chemosis	E	-	-	3	2	1	-	1	-	1	-	0	-
	Discharge	F	-	-	2	2	0	-	0	-	0	-	0	-
	(D+E+F) x 2		-	-	16	12	4	-	4	-	4	-	0	-
<b>Total</b>			-	-	<b>51</b>	<b>27</b>	<b>9</b>	-	<b>4</b>	-	<b>4</b>	-	<b>0</b>	-

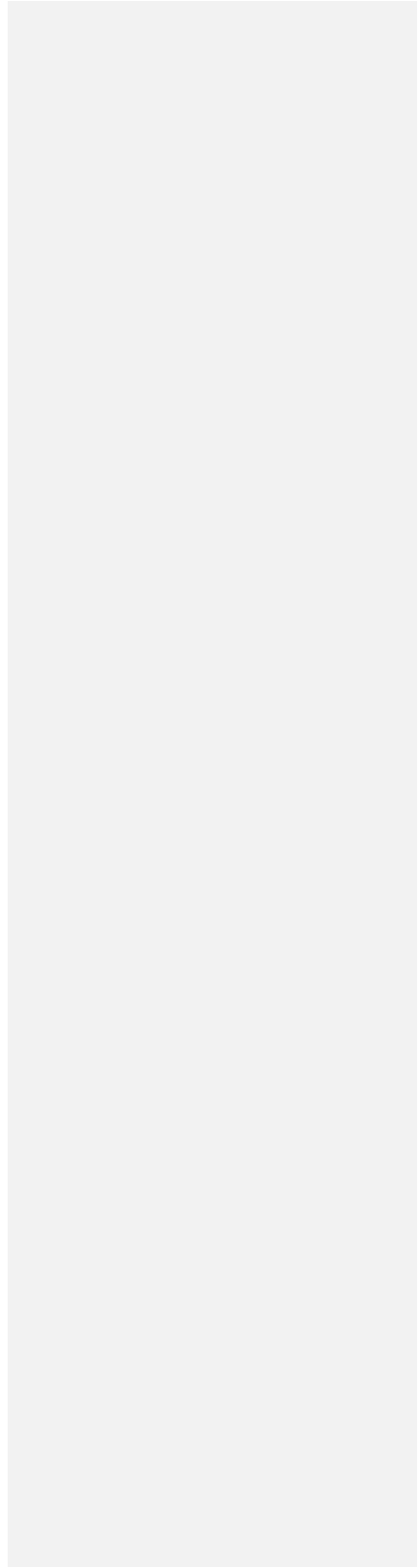
**MMAS (Modified Maximum Average Score)  $(56+66+68+51) / 4 = 60.3$**

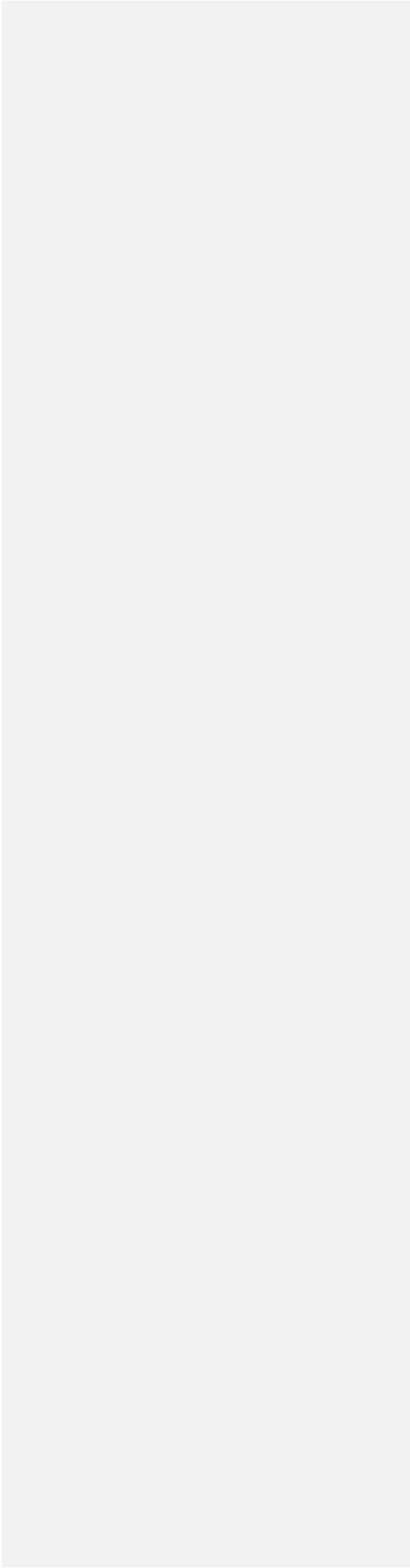
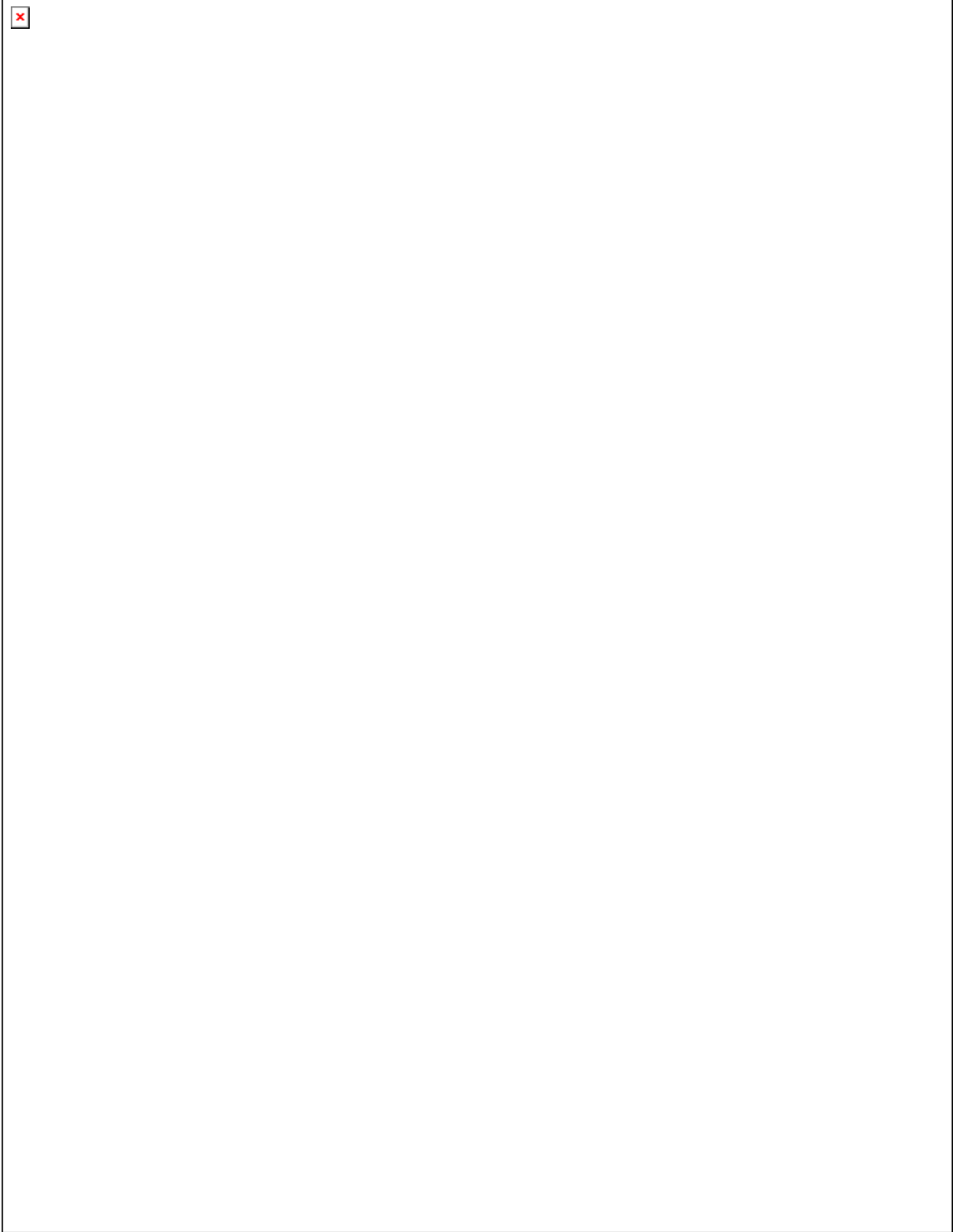


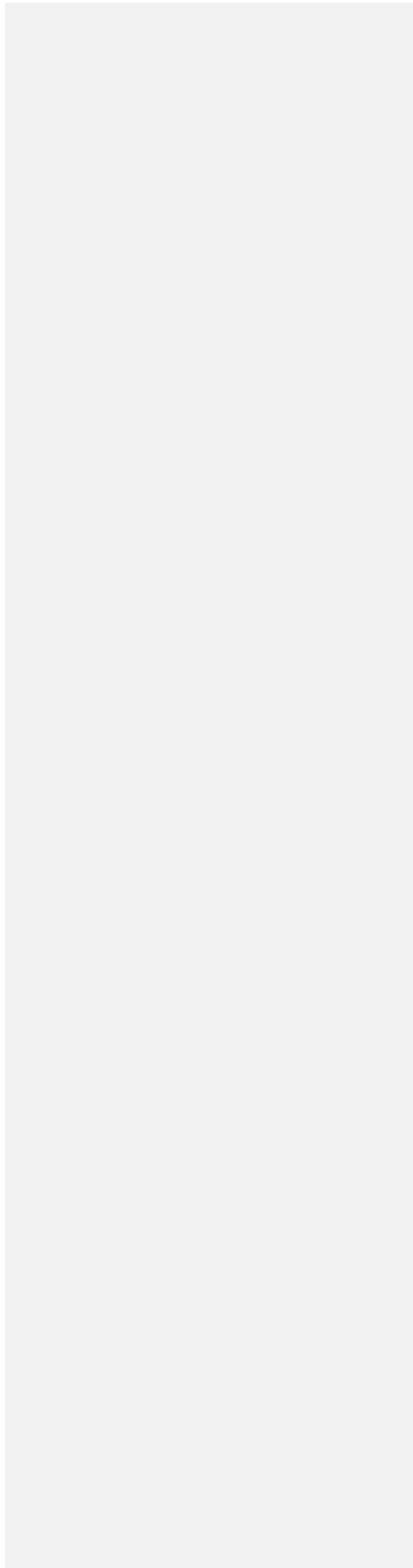
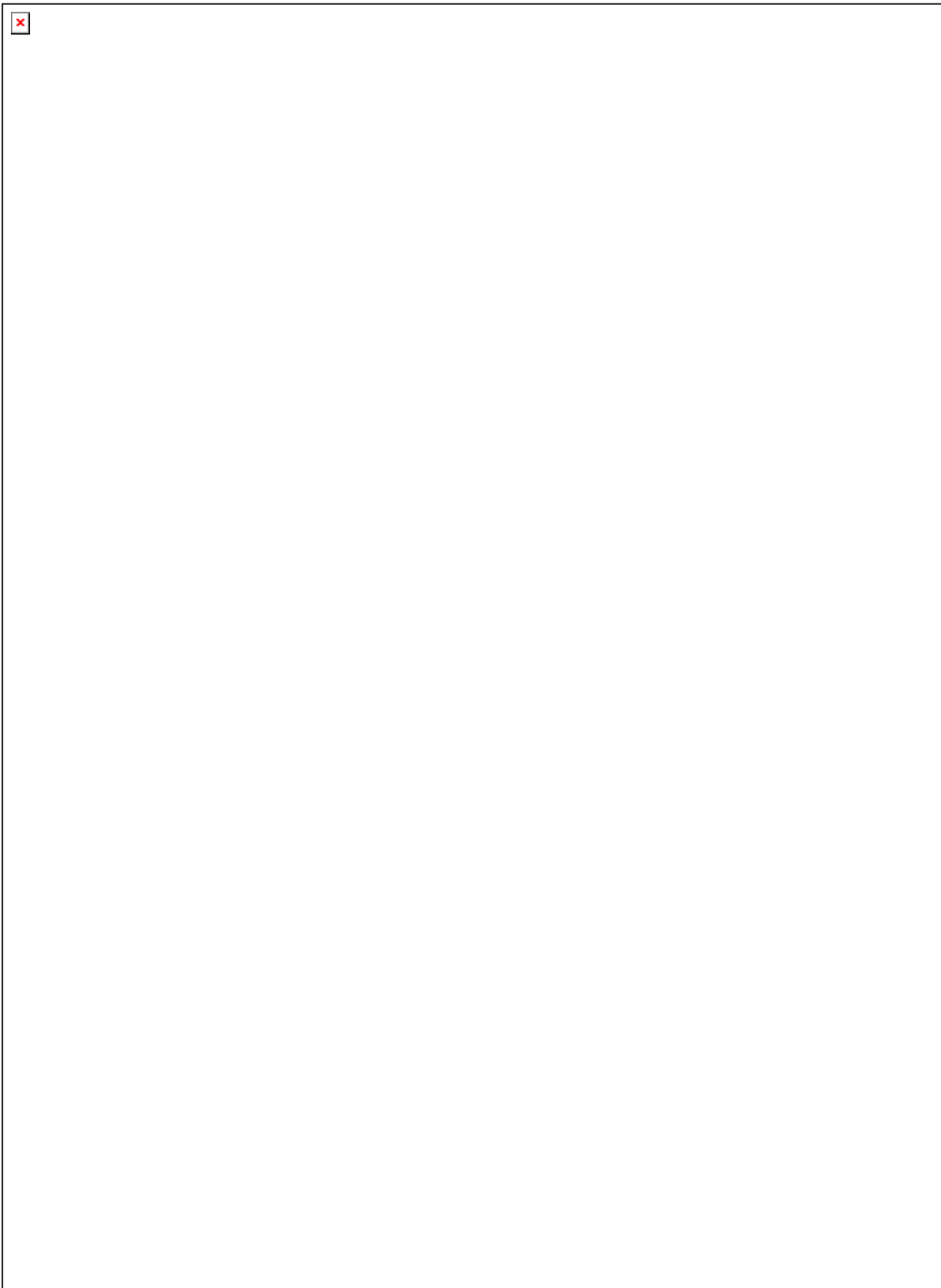








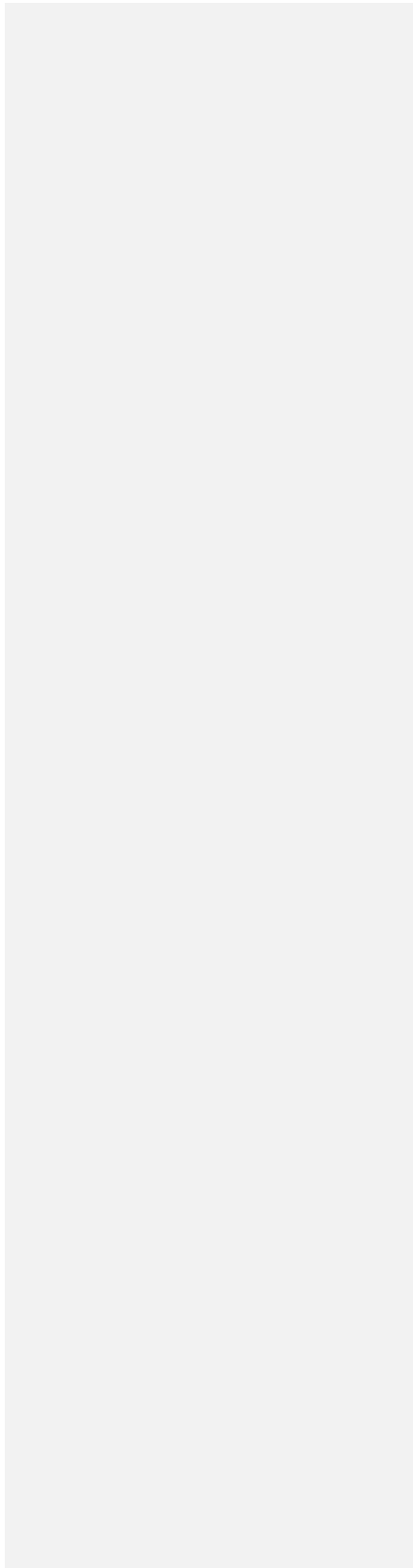
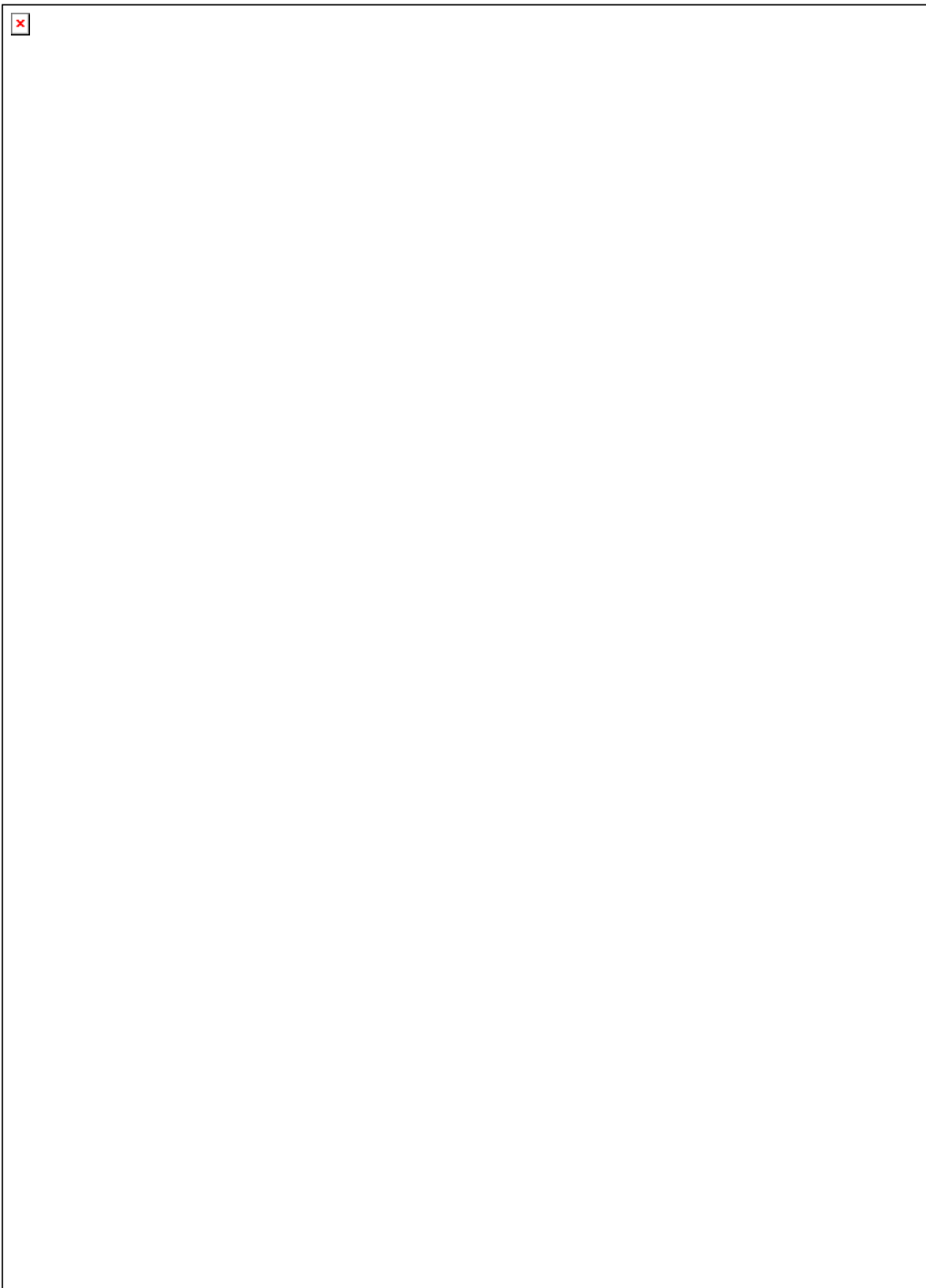


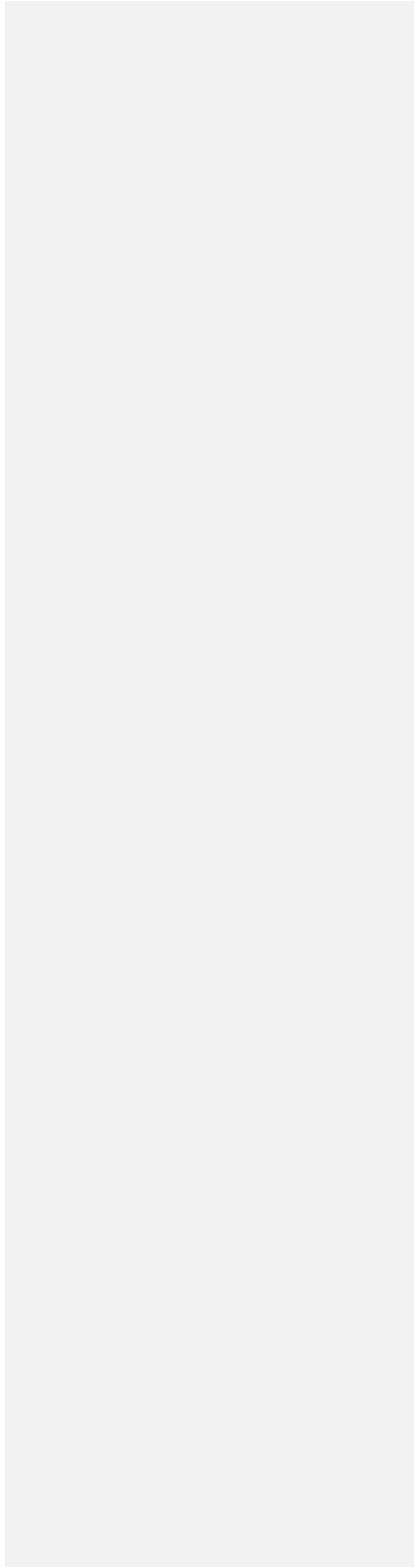
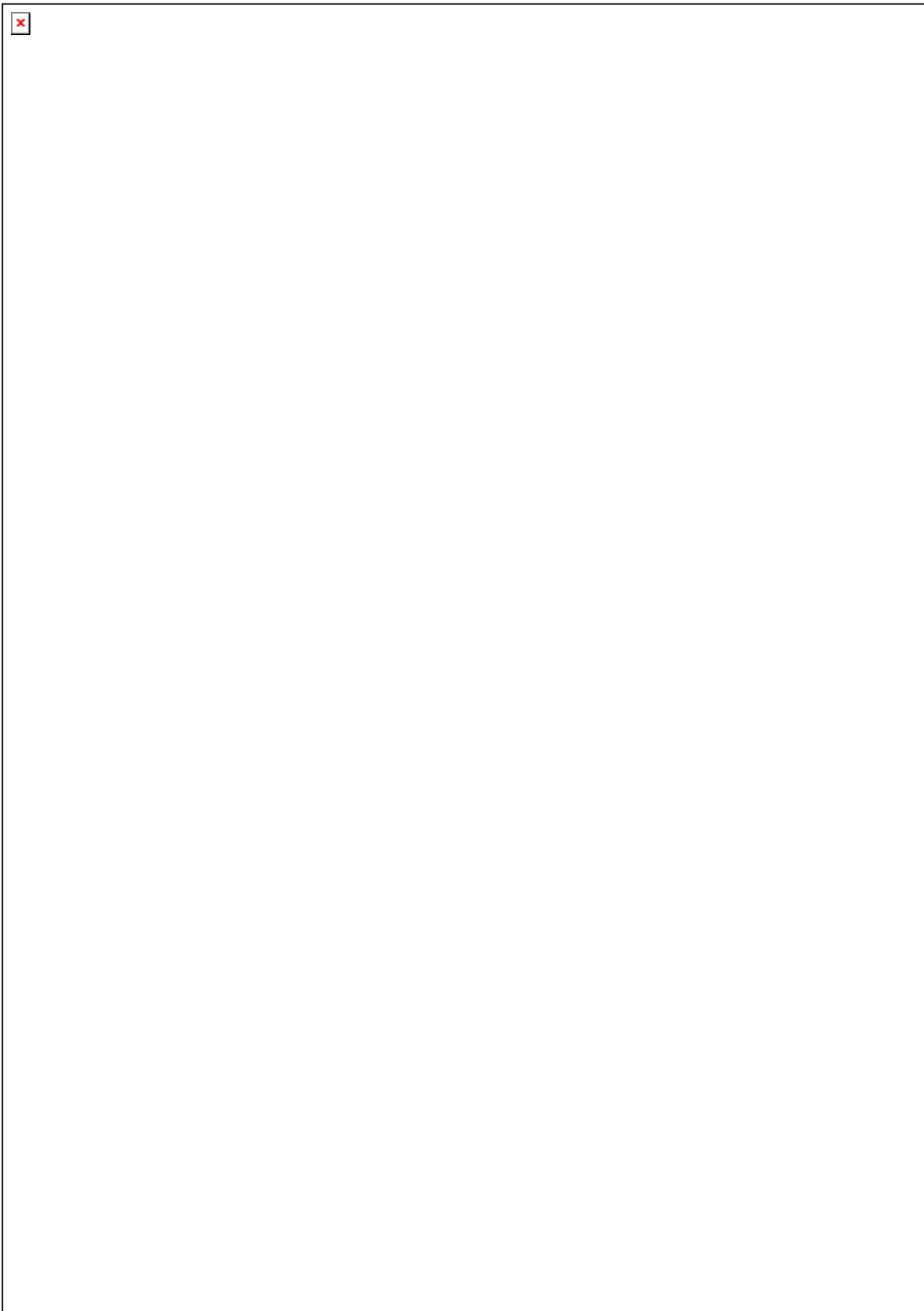


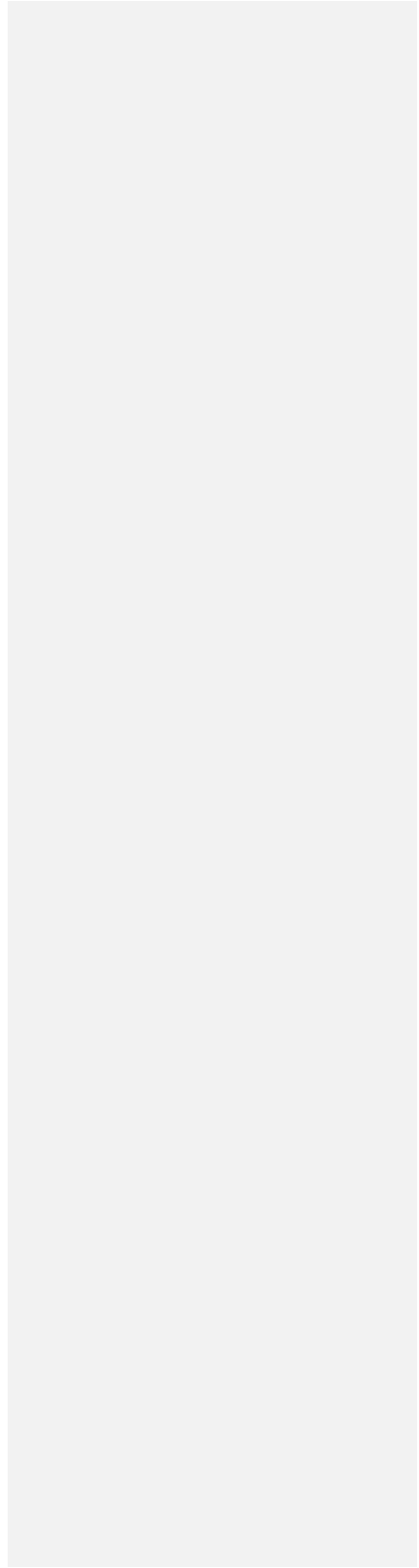
**Methyl Ethyl Ketone**

			Observation period (days)											
Animal No.			1 h	4 h	1	2	3	4	7	9	10	12	14	21
4														
Cornea	Opacity	A	-	-	2	2	0	-	0	-	0	-	-	-
	Area involved (AxB) x 5	B	-	-	4	2	0	-	0	-	0	-	-	-
Iris		C	-	-	2	2	1	-	0	-	0	-	-	-
	C x 5		-	-	10	10	5	-	0	-	0	-	-	-
Conjunctiva	Redness	D	-	-	3	3	2	-	1	-	0	-	-	-
	Chemosis	E	-	-	3	3	1	-	1	-	0	-	-	-
	Discharge (D+E+F) x 2	F	-	-	3	3	2	-	0	-	0	-	-	-
<b>Total</b>			-	-	<b>68</b>	<b>48</b>	<b>15</b>	-	<b>4</b>	-	<b>0</b>	-	-	-

**MMAS (Modified Maximum Average Score) (26+54+52+68) / 4 = 50**







**Benzalkonium Chloride [1 x]<sup>a</sup>**

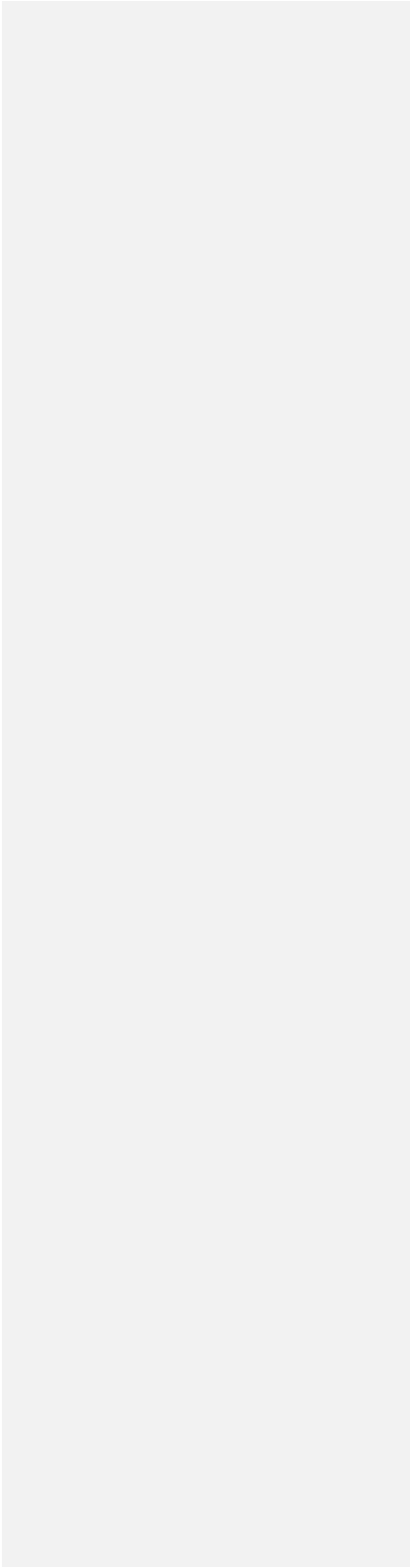
			Observation period (days)											
Animal No.	4		1 h	4 h	1	2	3	4	7	9	10	12	14	21
Cornea	Opacity	A	-	-	2	-	-	-	3	-	-	-	1 <sup>b</sup>	1 <sup>b</sup>
	Area involved	B	-	-	4	-	-	-	2	-	-	-	1	1
	(AxB) x 5		-	-	40	-	-	-	30	-	-	-	5	5
Iris		C	-	-	1	-	-	-	0	-	-	-	0	0
	C x 5		-	-	5	-	-	-	0	-	-	-	0	0
Conjunctiva	Redness	D	-	-	2	-	-	-	2	-	-	-	1	1
	Chemosis	E	-	-	2	-	-	-	2	-	-	-	1	1
	Discharge	F	-	-	2	-	-	-	2	-	-	-	2	2
	(D+E+F) x 2		-	-	12	-	-	-	12	-	-	-	8	8
<b>Total</b>			-	-	<b>57</b>	-	-	-	<b>42</b>	-	-	-	<b>13</b>	<b>13</b>

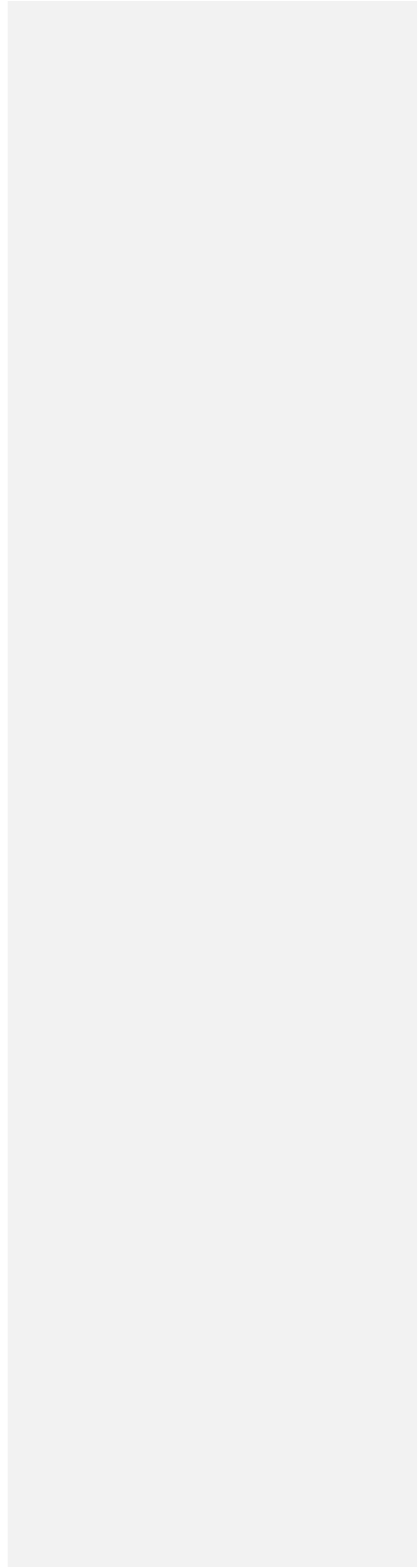
**MMAS (Modified Maximum Average Score) (29+22+29+57) / 4 = 34.3**

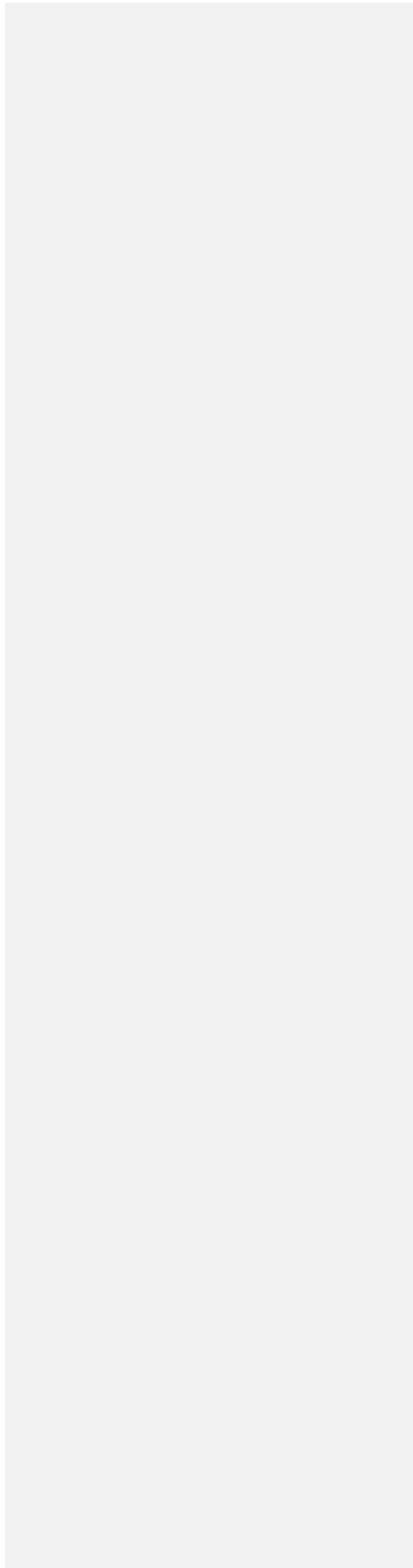
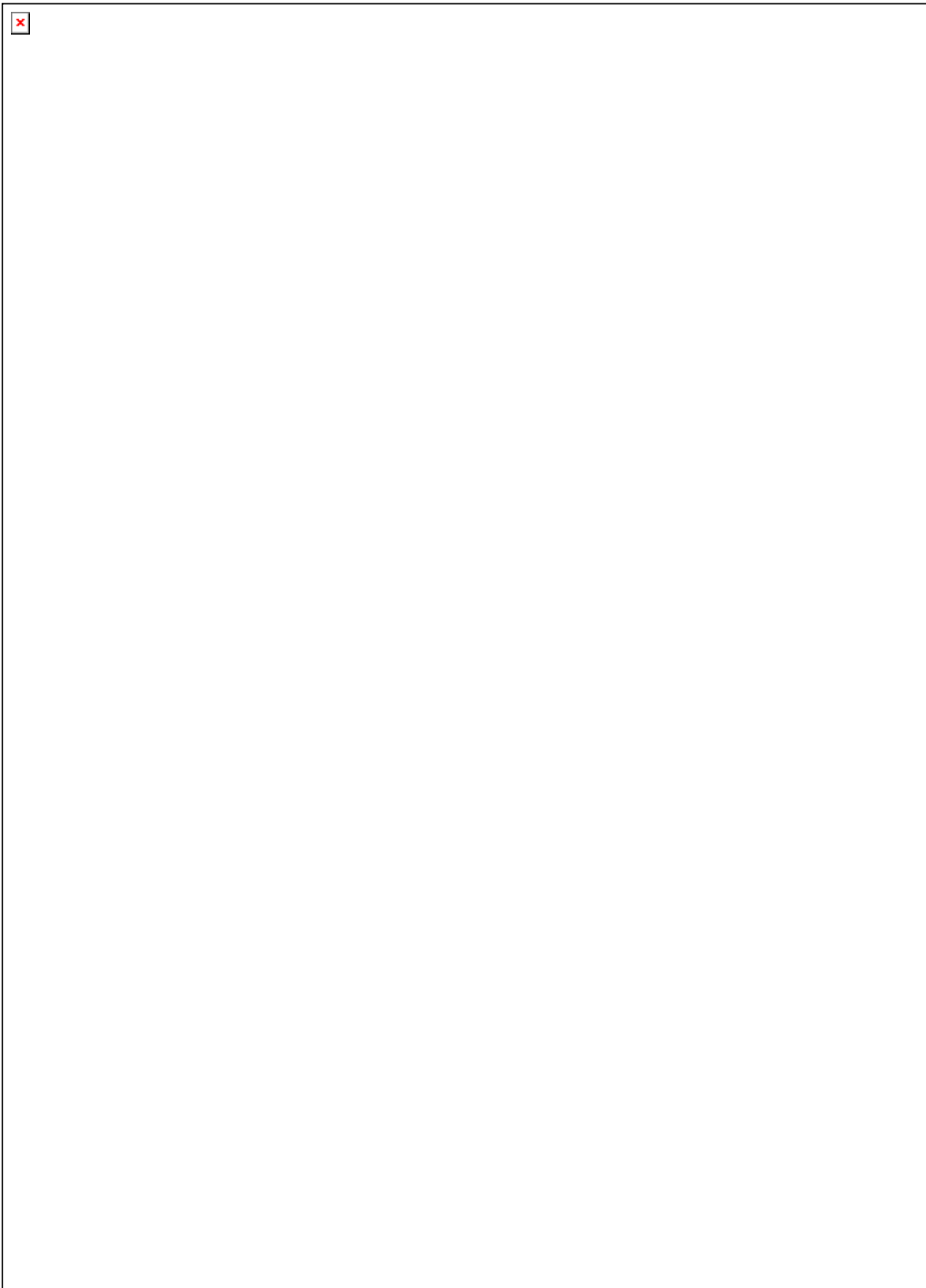
<sup>a</sup> The same sample of the chemical was retested [1 x] in the same laboratory

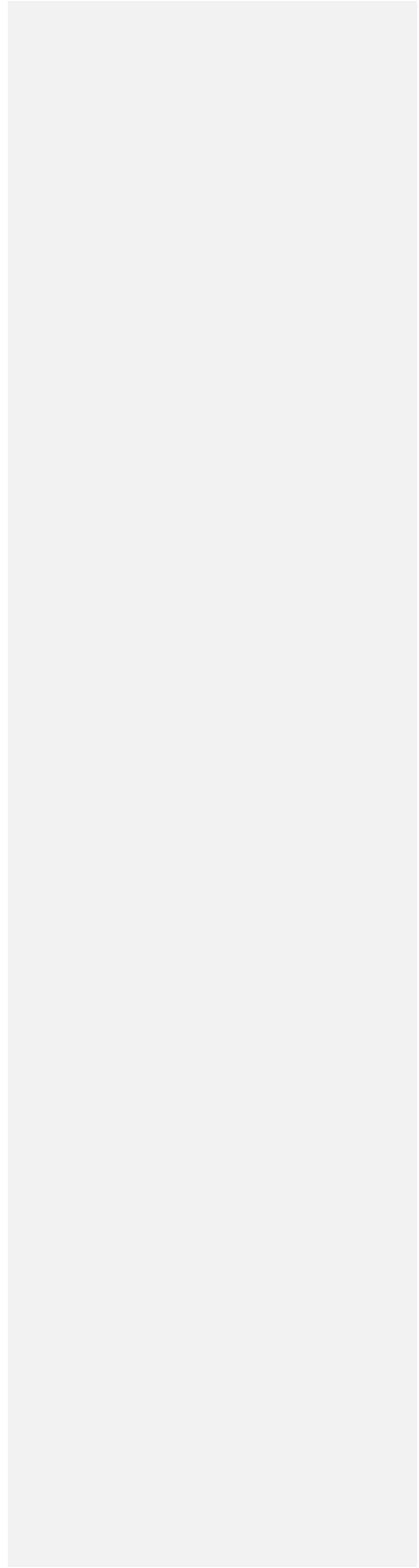
<sup>b</sup> Pannus







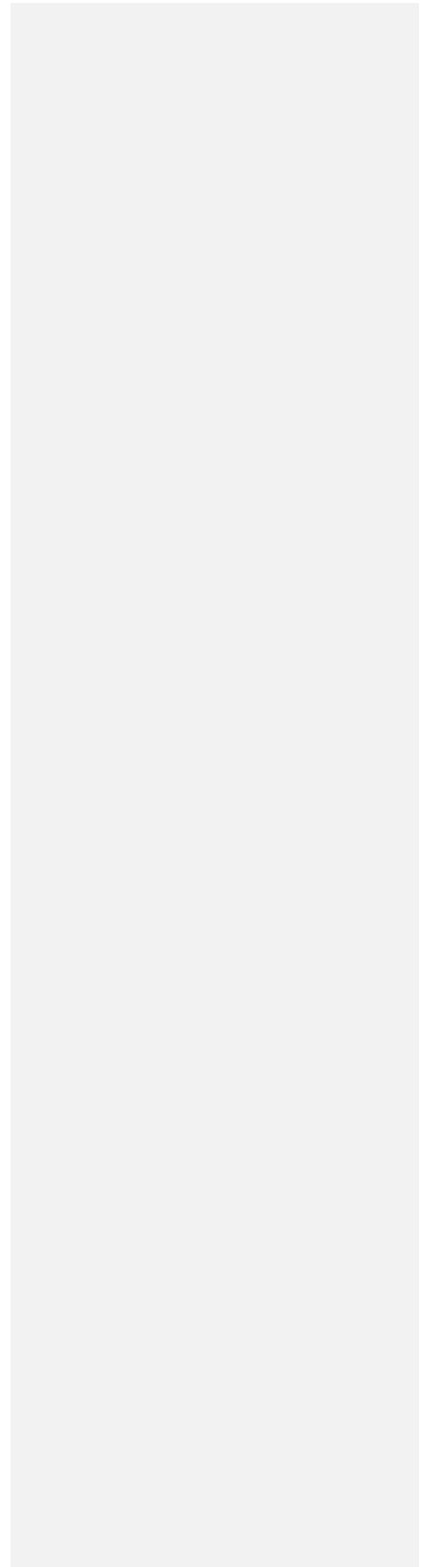
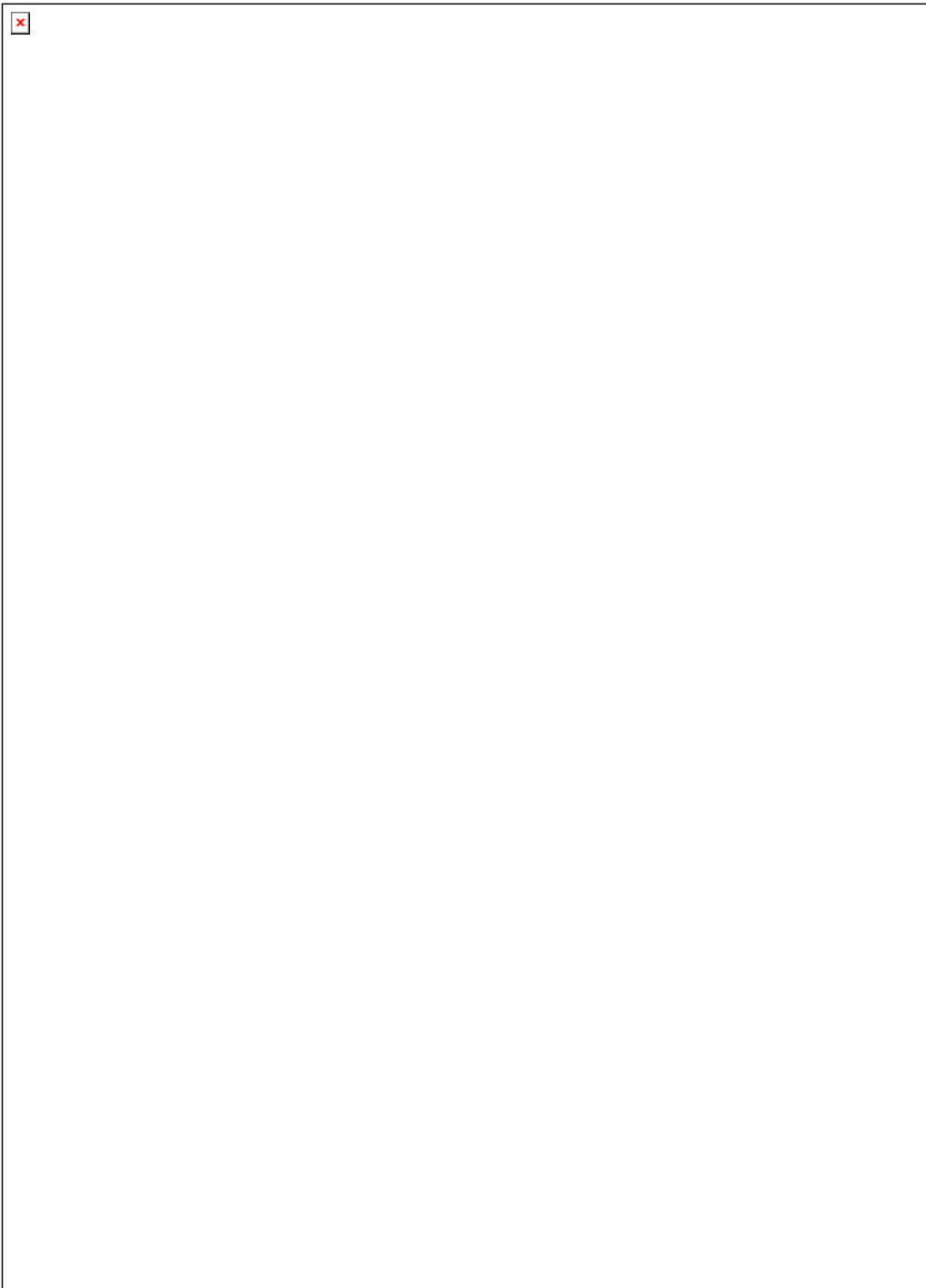


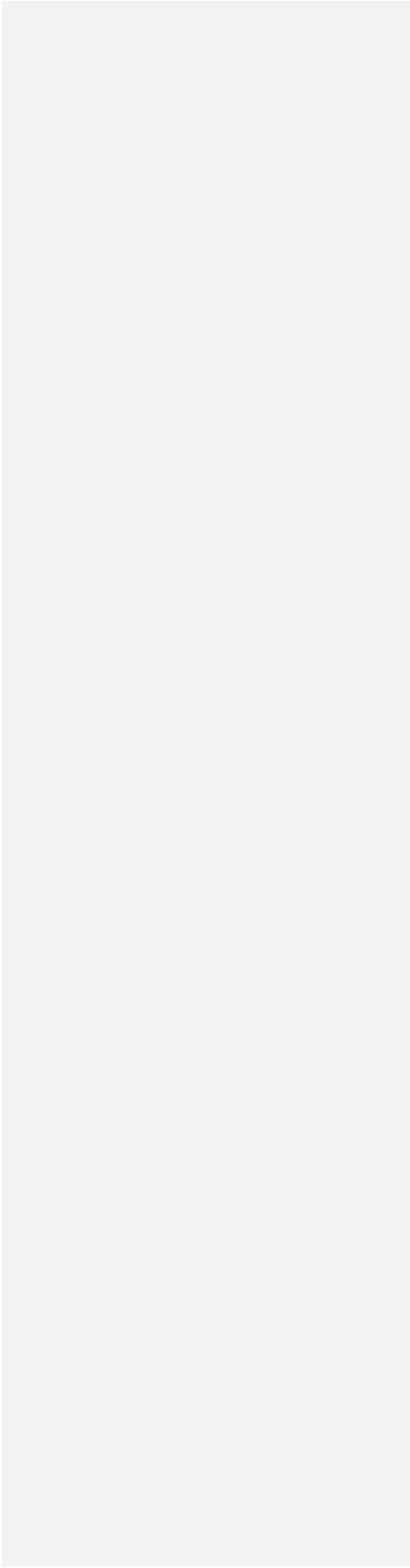
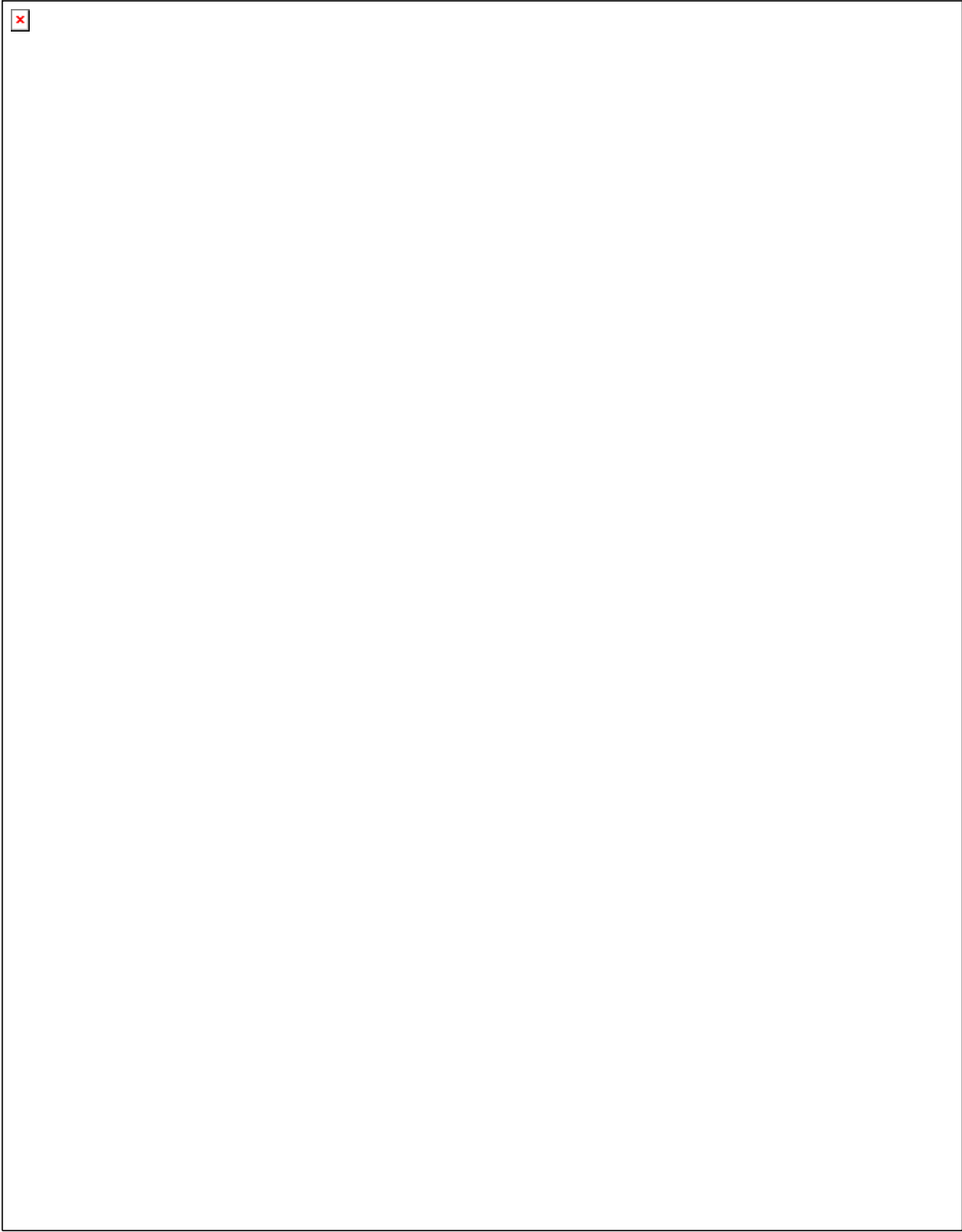


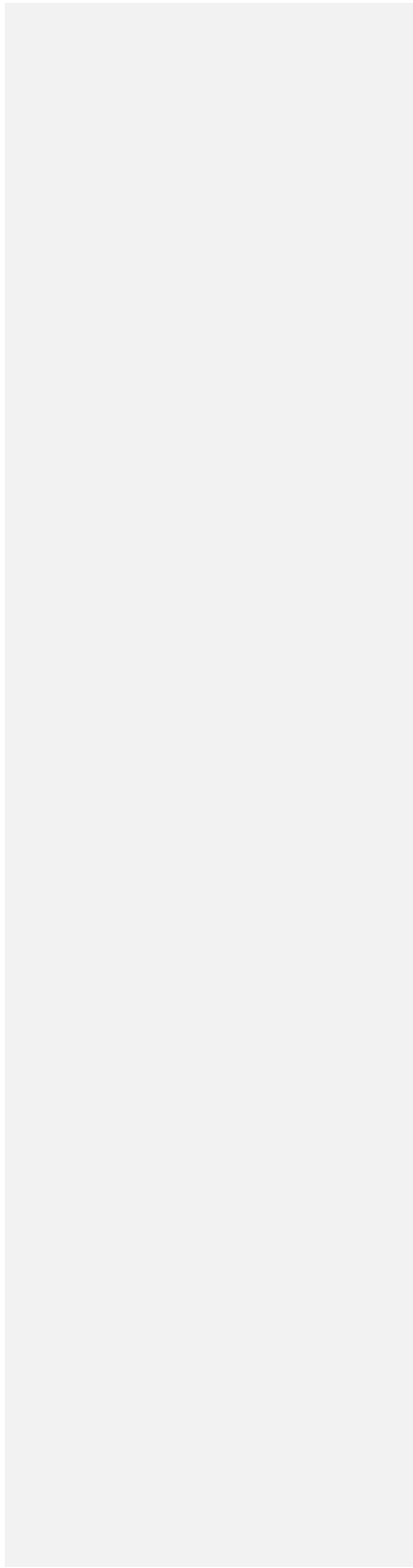
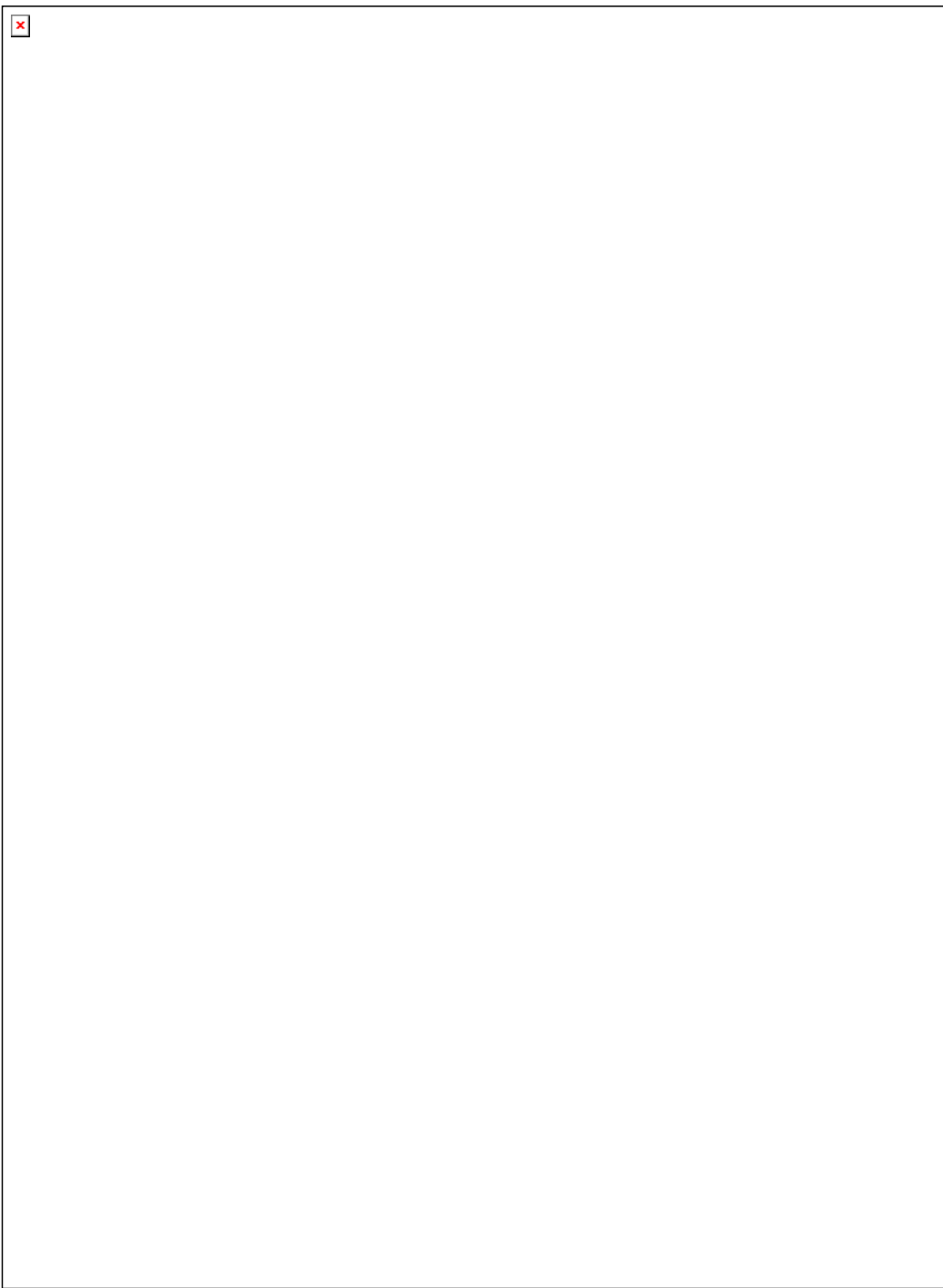
**Methyl Acetate**

			Observation period (days)											
Animal No.	4		1 h	4 h	1	2	3	4	7	9	10	12	14	21
Cornea	Opacity	A	-	-	2	2	0	-	1	-	0	-	-	-
	Area involved	B	-	-	1	1	0	-	1	-	0	-	-	-
	(AxB) x 5		-	-	10	10	0	-	5	-	0	-	-	-
Iris		C	-	-	2	1	0	-	0	-	0	-	-	-
	C x 5		-	-	10	5	0	-	0	-	0	-	-	-
Conjunctiva	Redness	D	-	-	2	2	2	-	1	-	0	-	-	-
	Chemosis	E	-	-	2	2	1	-	0	-	0	-	-	-
	Discharge	F	-	-	2	1	0	-	0	-	0	-	-	-
	(D+E+F) x 2		-	-	12	10	6	-	2	-	0	-	-	-
<b>Total</b>			-	-	<b>32</b>	<b>25</b>	<b>6</b>	-	<b>2</b>	-	<b>0</b>	-	-	-

**MMAS (Modified Maximum Average Score) (29+31+66+32) / 4 = 39.5**





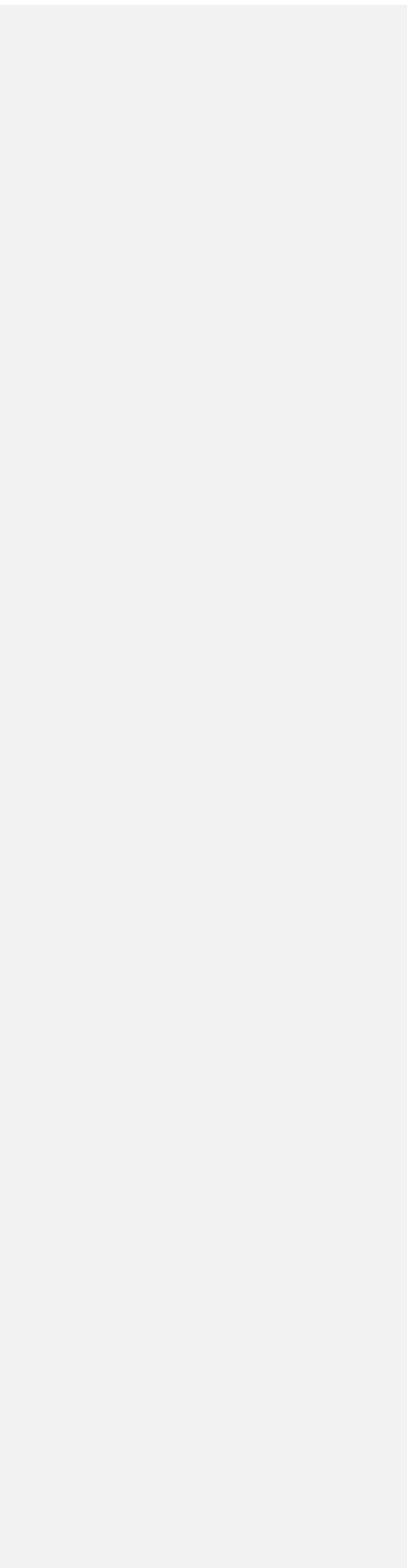
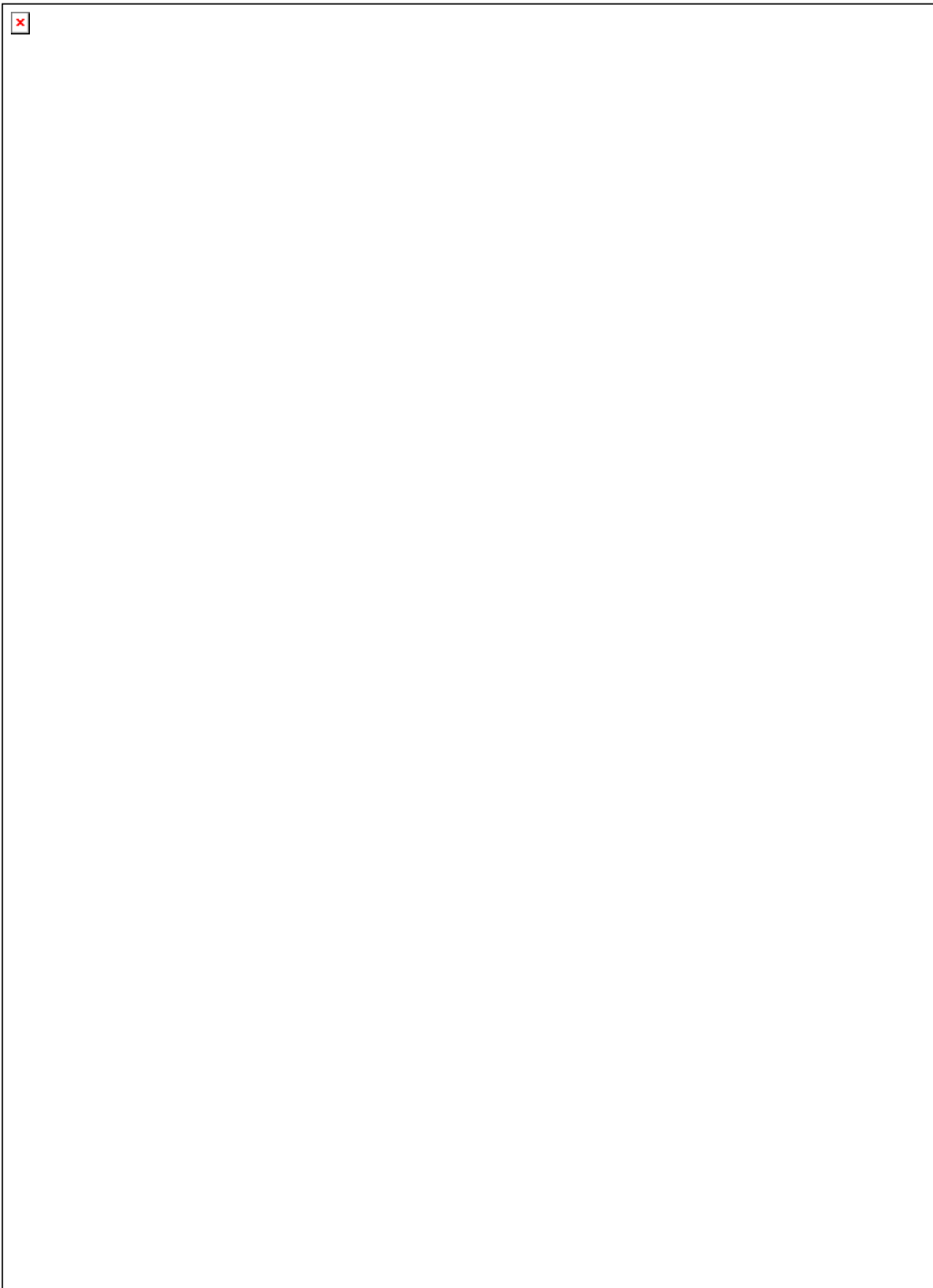


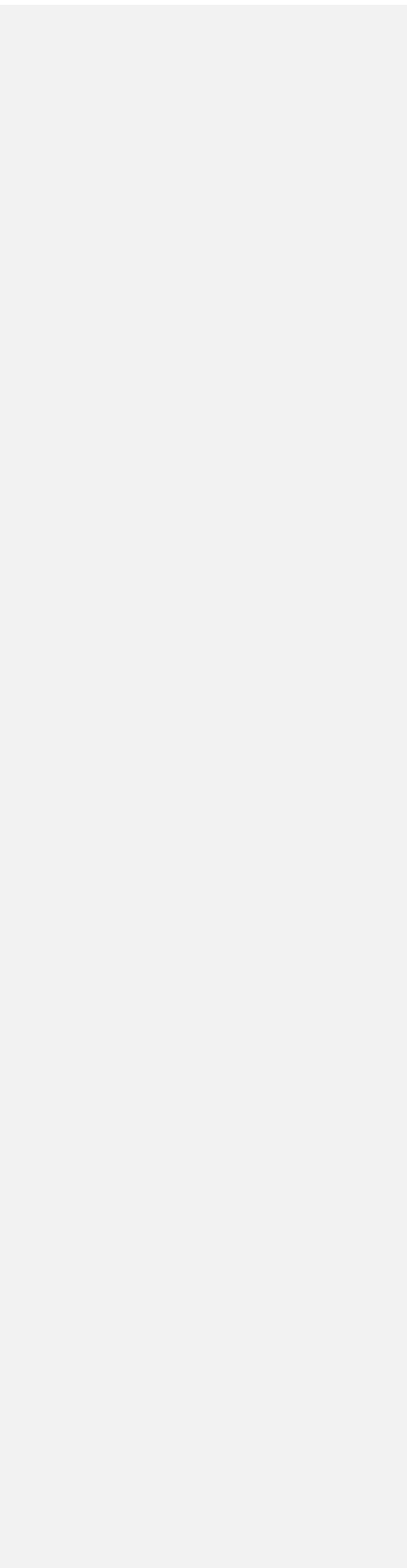
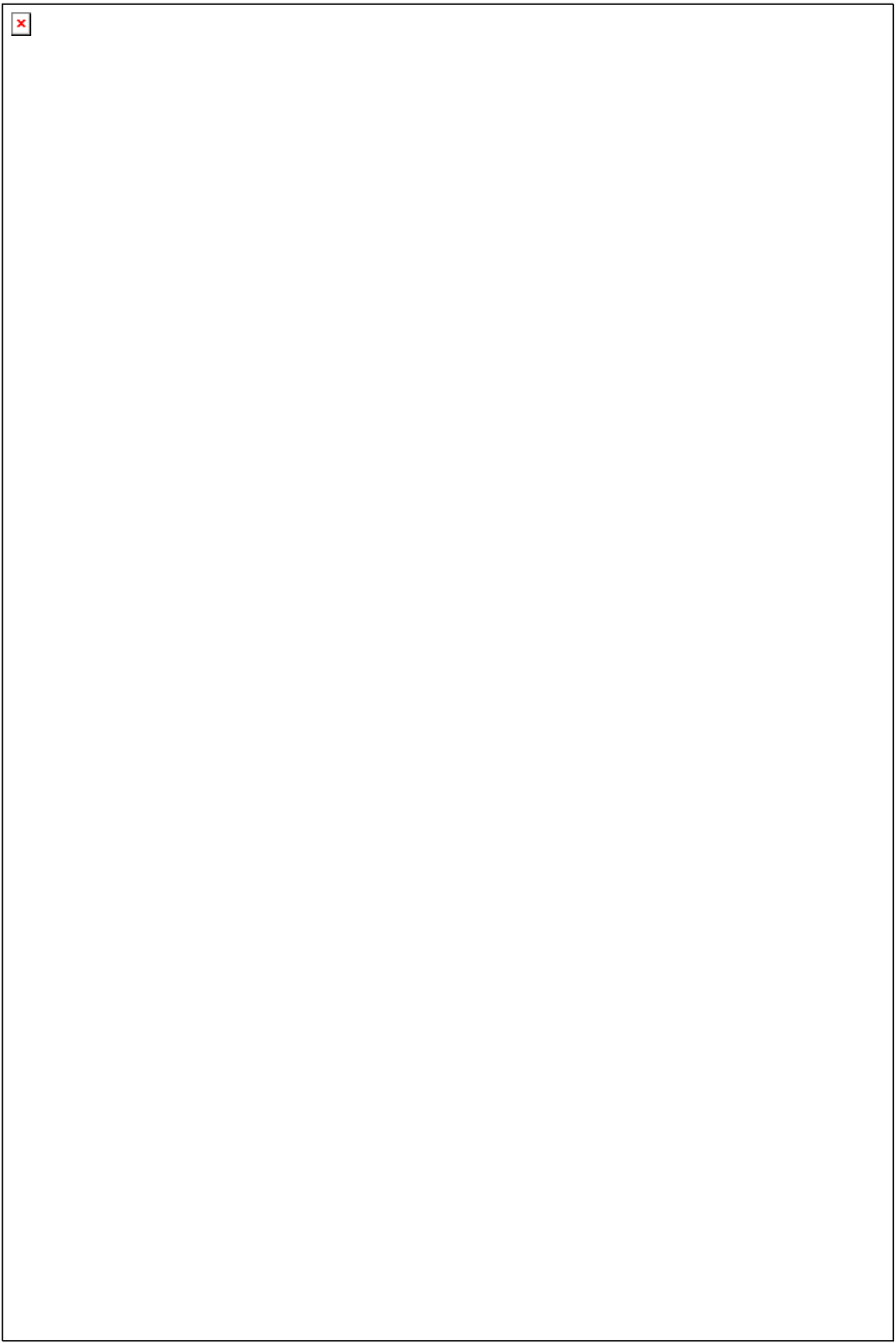


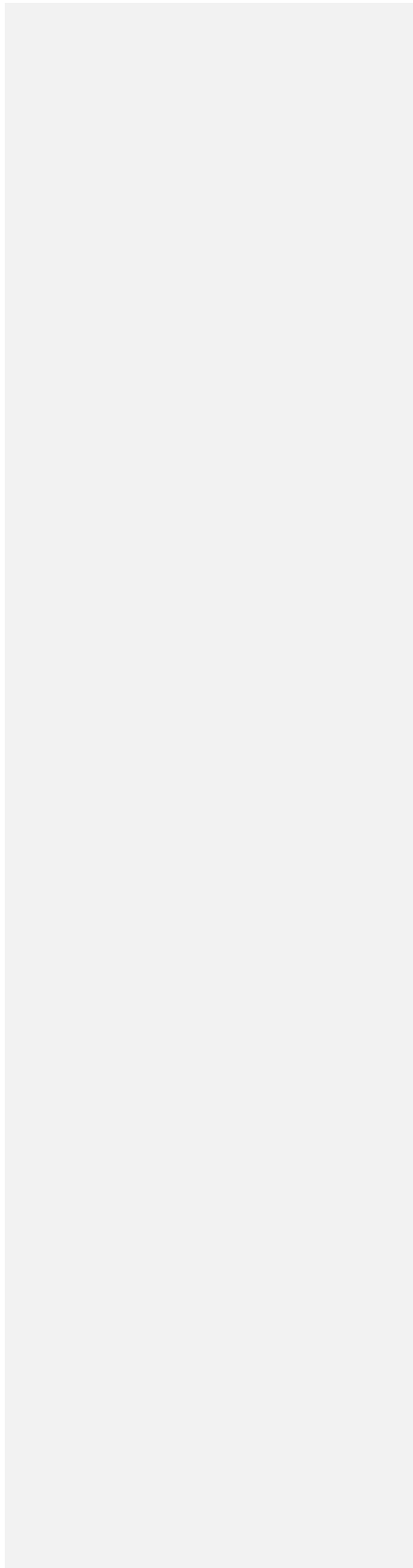
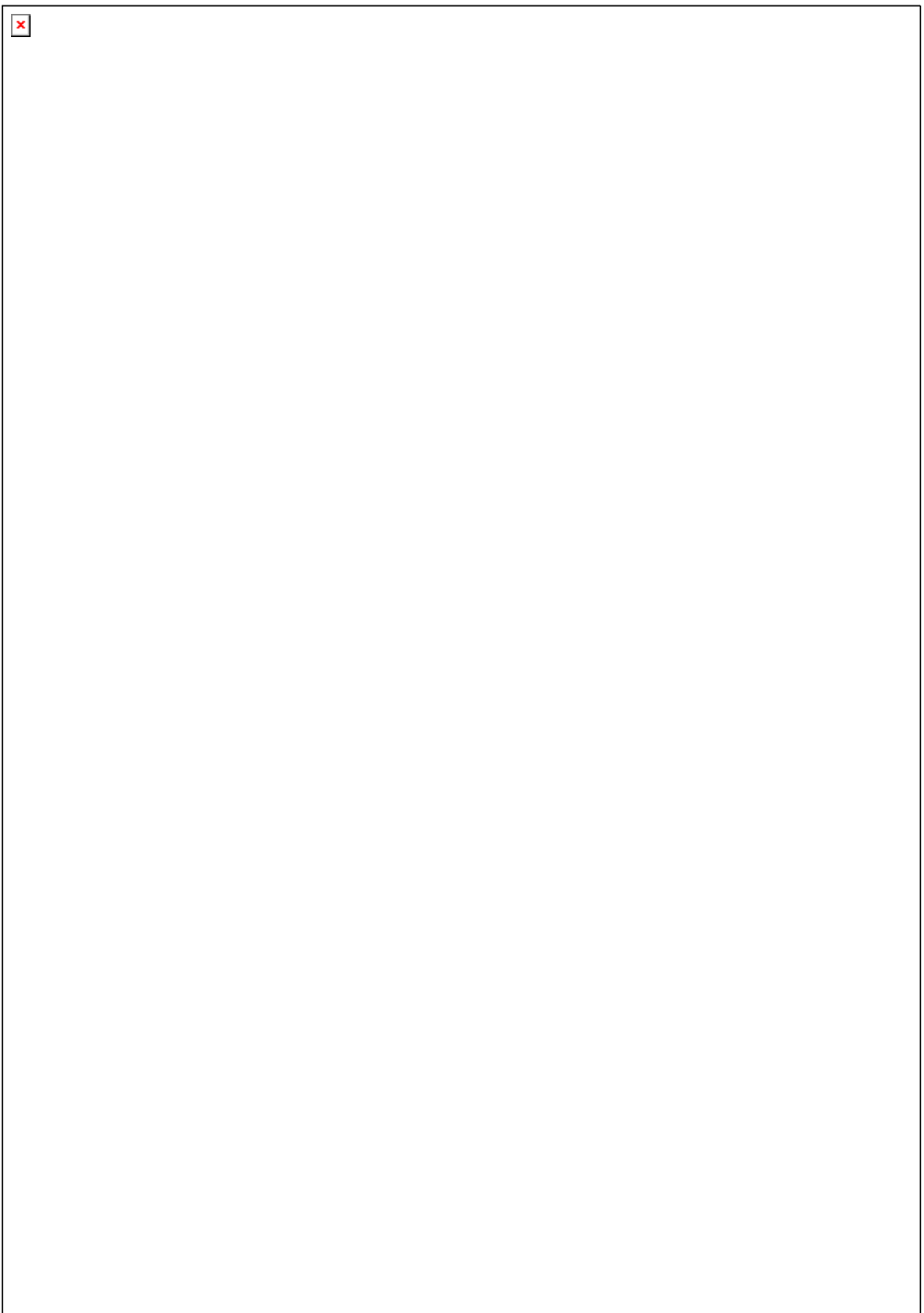
**iso-Propanol**

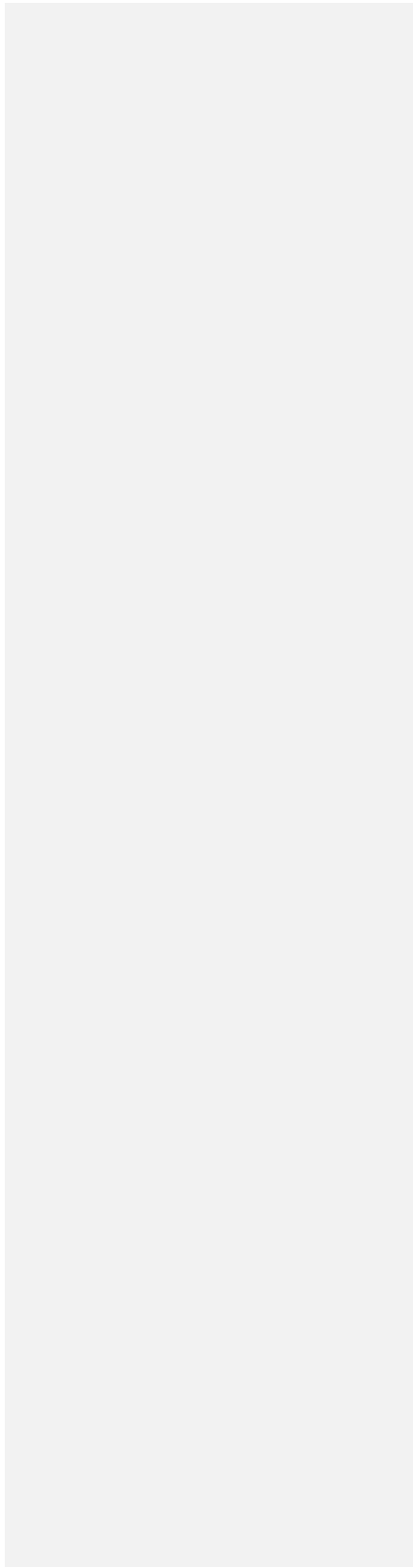
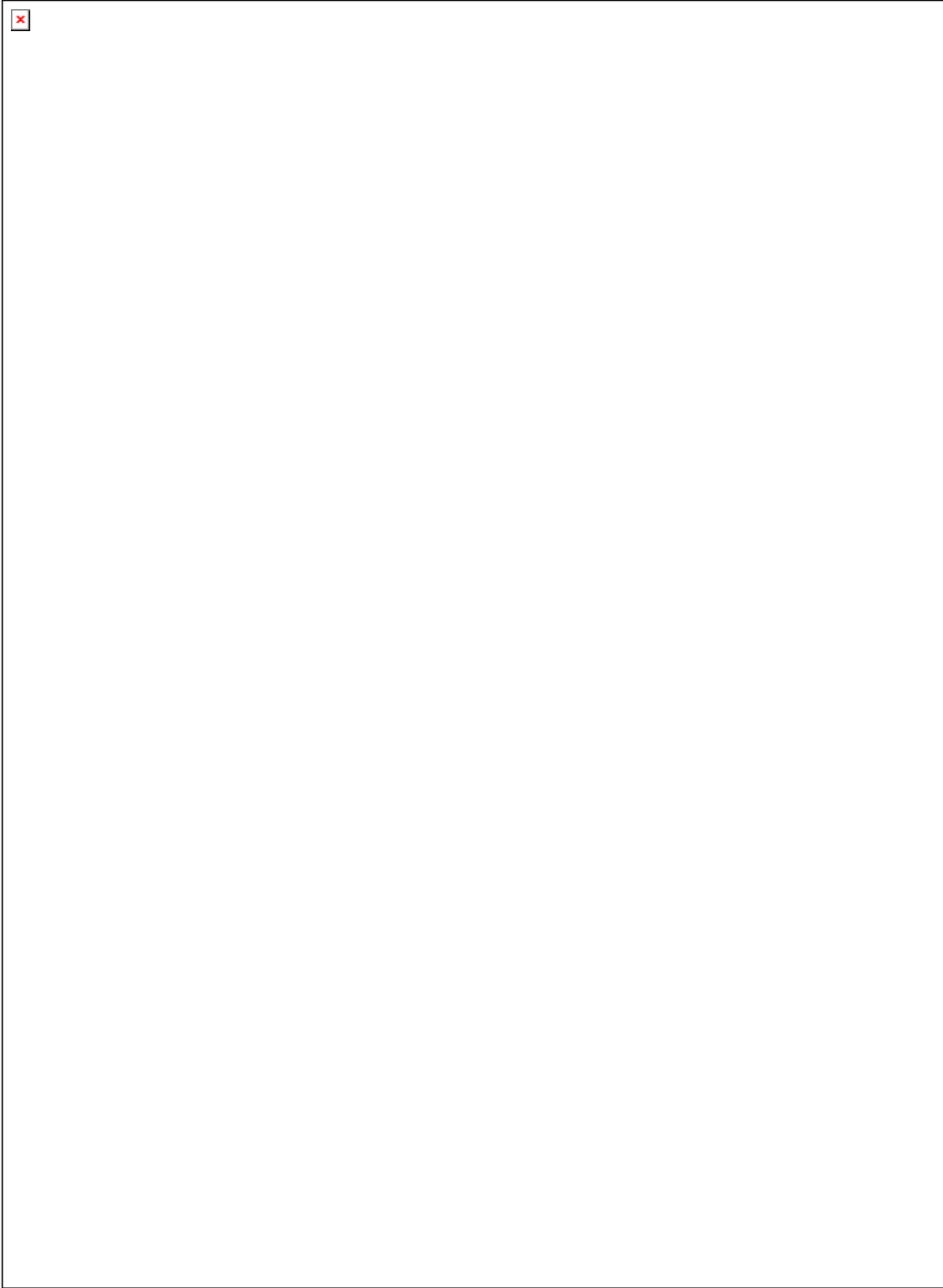
Animal No.	4	Observation period (days)												
		1 h	4 h	1	2	3	4	7	9	10	12	14	21	
Cornea	Opacity	A	-	-	2	2	2	-	0	-	0	-	-	-
	Area involved (AxB) x 5	B	-	-	4	3	2	-	0	-	0	-	-	-
Iris		C	-	-	1	2	2	-	0	-	0	-	-	-
	C x 5		-	-	5	10	10	-	0	-	0	-	-	-
Conjunctiva	Redness	D	-	-	3	3	3	-	1	-	0	-	-	-
	Chemosis	E	-	-	2	3	2	-	0	-	0	-	-	-
	Discharge (D+E+F) x 2	F	-	-	2	2	1	-	0	-	0	-	-	-
<b>Total</b>			-	-	<b>59</b>	<b>56</b>	<b>42</b>	-	<b>2</b>	-	<b>0</b>	-	-	-

**MMAS (Modified Maximum Average Score)  $(29+24+10+59) / 4 = 30.5$**







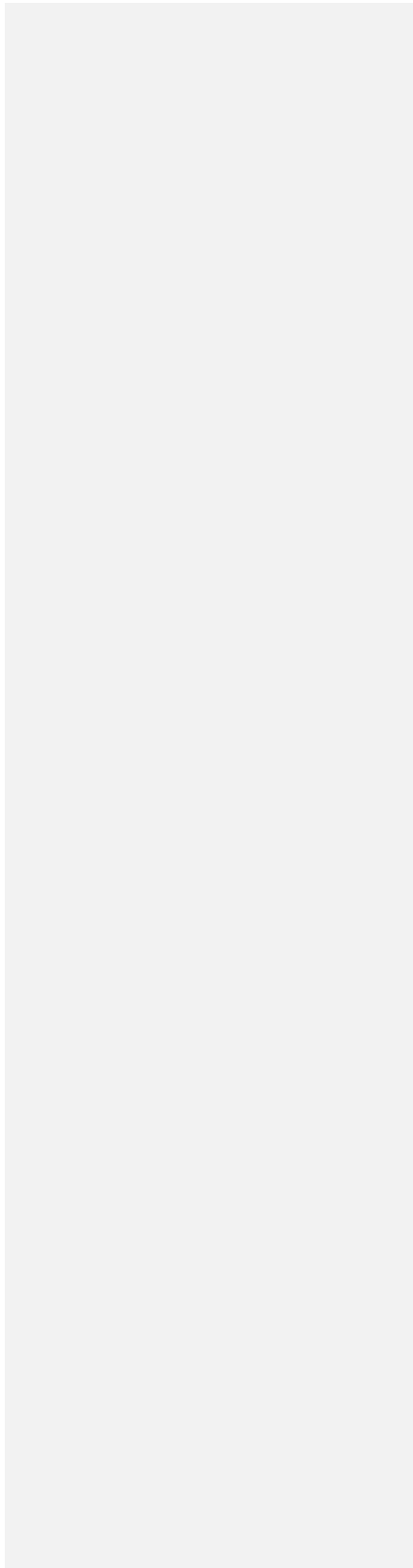
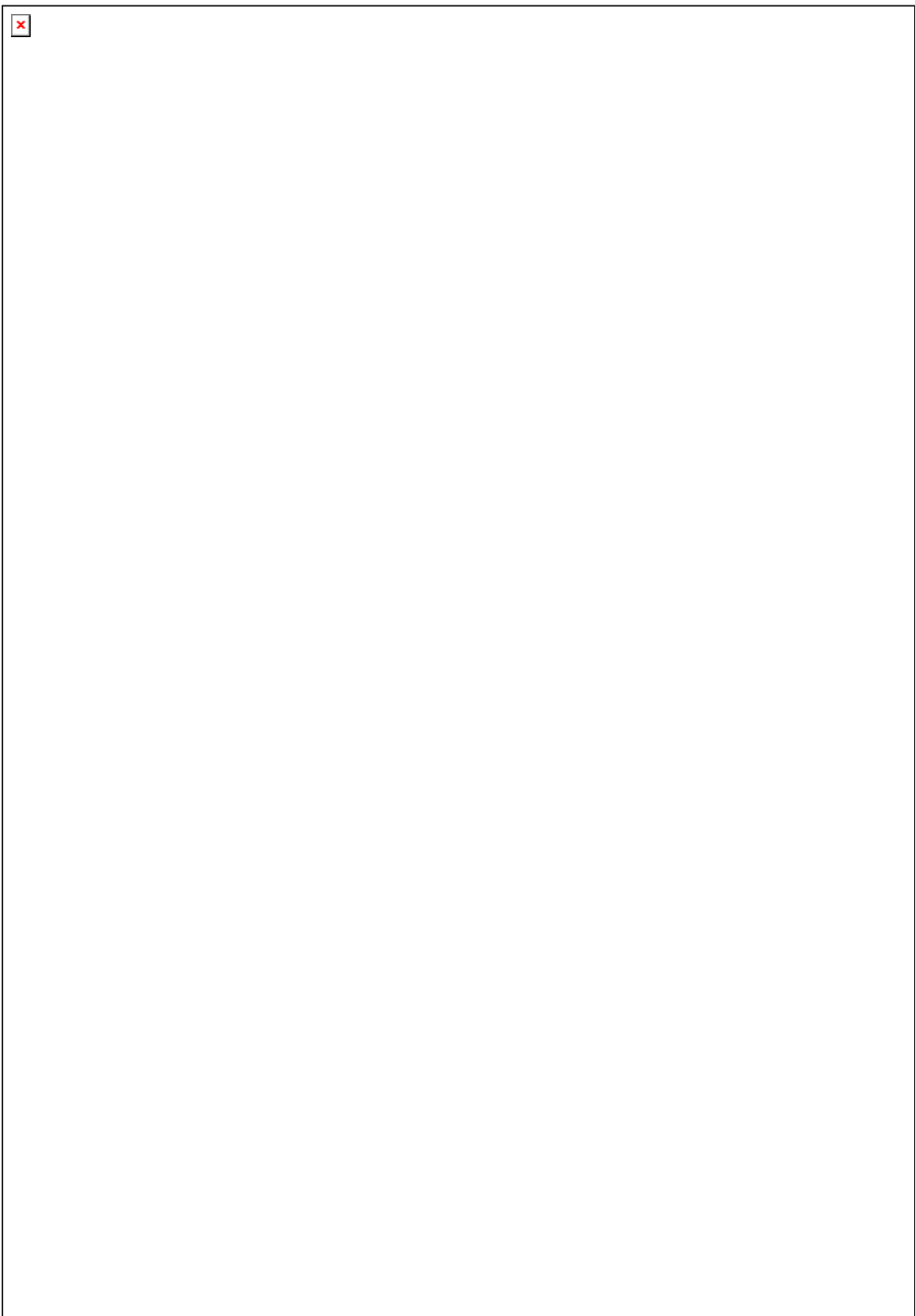


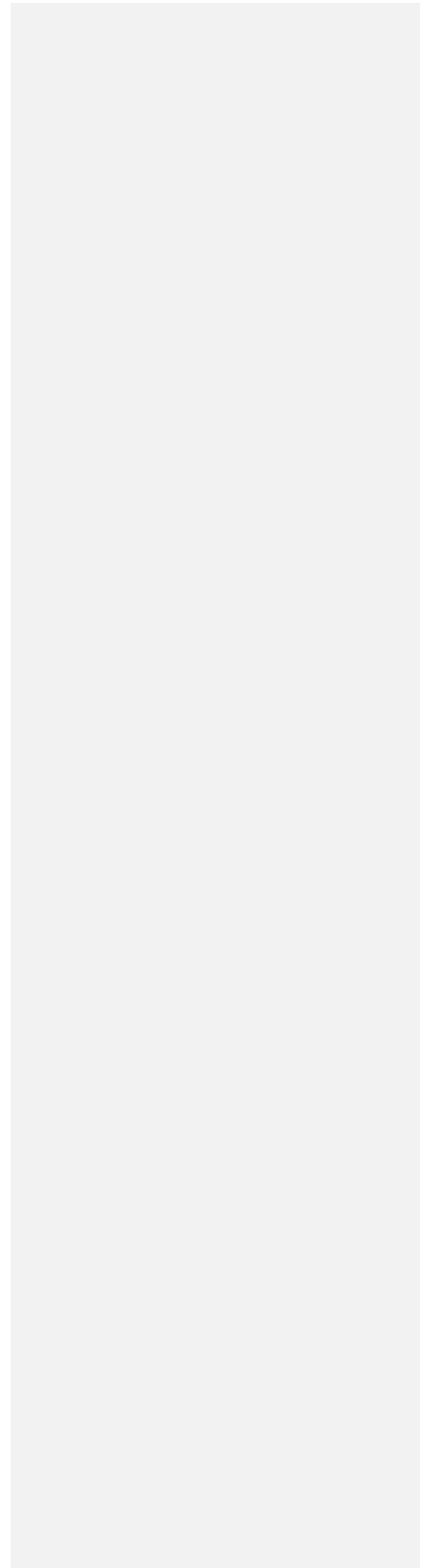
**Sodium Hydroxide**

Animal No.	4		Observation period (days)											
			1 h	4 h	1	2	3	4	7	9	10	12	14	21
Cornea	Opacity	A	-	-	2	1	0	-	0	-	0	-	-	-
	Area involved	B	-	-	1	1	0	-	0	-	0	-	-	-
	(AxB) x 5		-	-	10	5	0	-	0	-	0	-	-	-
Iris		C	-	-	1	1	0	-	0	-	0	-	-	-
	C x 5		-	-	5	5	0	-	0	-	0	-	-	-
Conjunctiva	Redness	D	-	-	3	3	2	-	1	-	0	-	-	-
	Chemosis	E	-	-	3	3	2	-	1	-	0	-	-	-
	Discharge	F	-	-	3 <sup>a</sup>	2	1	-	1	-	0	-	-	-
	(D+E+F) x 2		-	-	18	16	10	-	6	-	0	-	-	-
<b>Total</b>			-	-	<b>33</b>	<b>26</b>	<b>10</b>	-	<b>6</b>	-	<b>0</b>	-	-	-

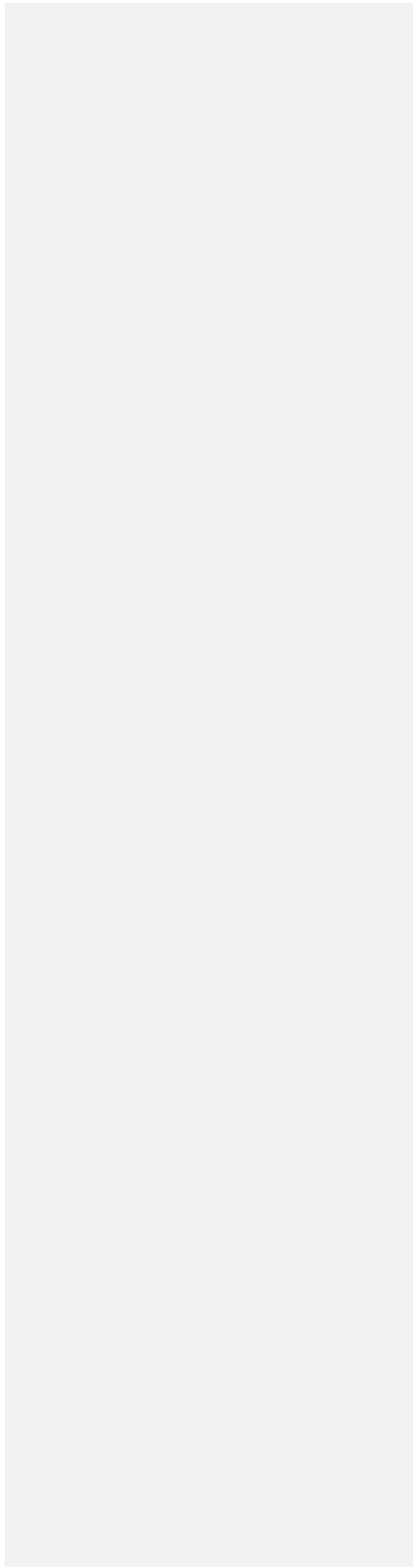
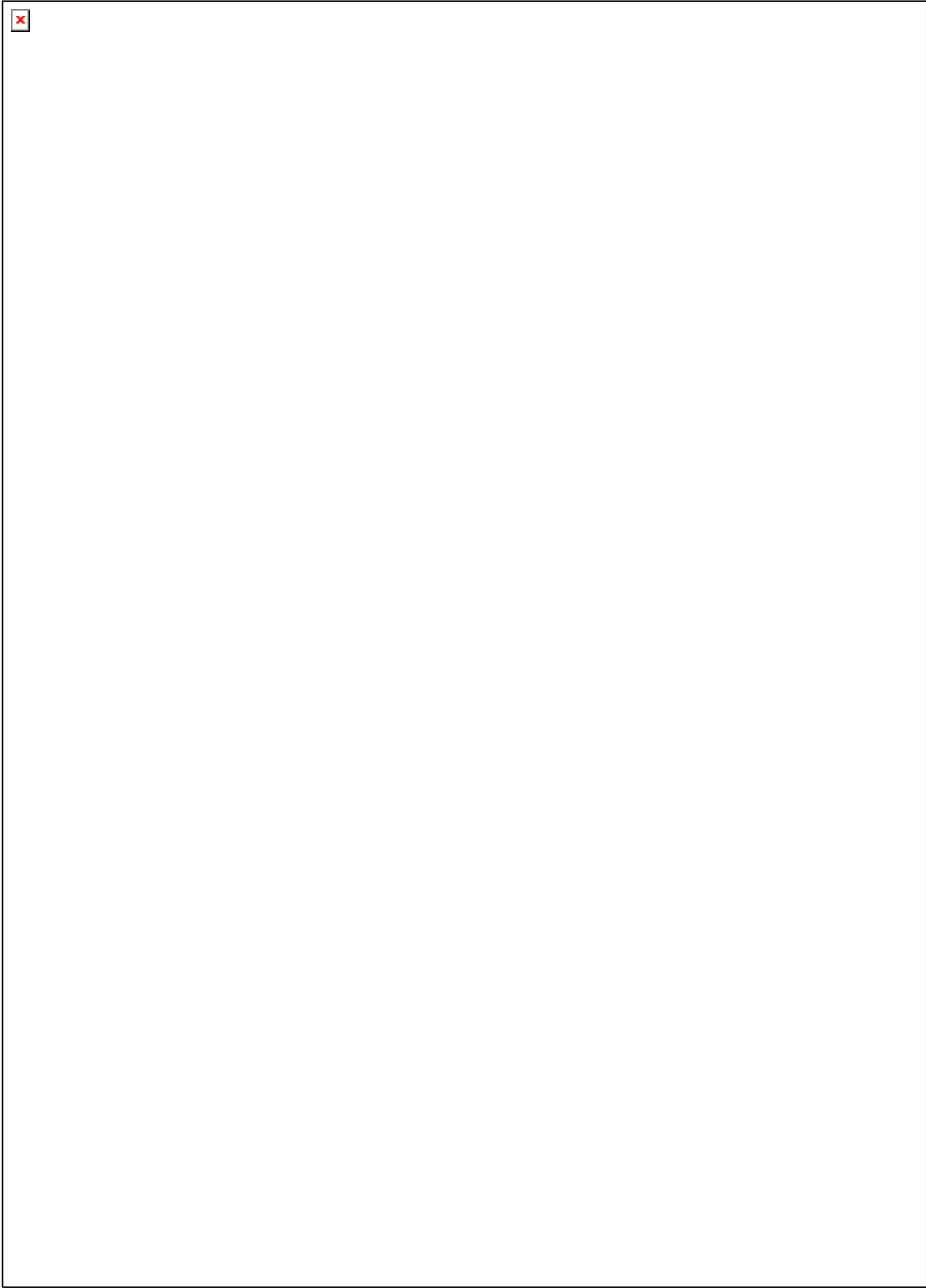
**MMAS (Modified Maximum Average Score)  $(17+36+17+33) / 4 = 25.8$**

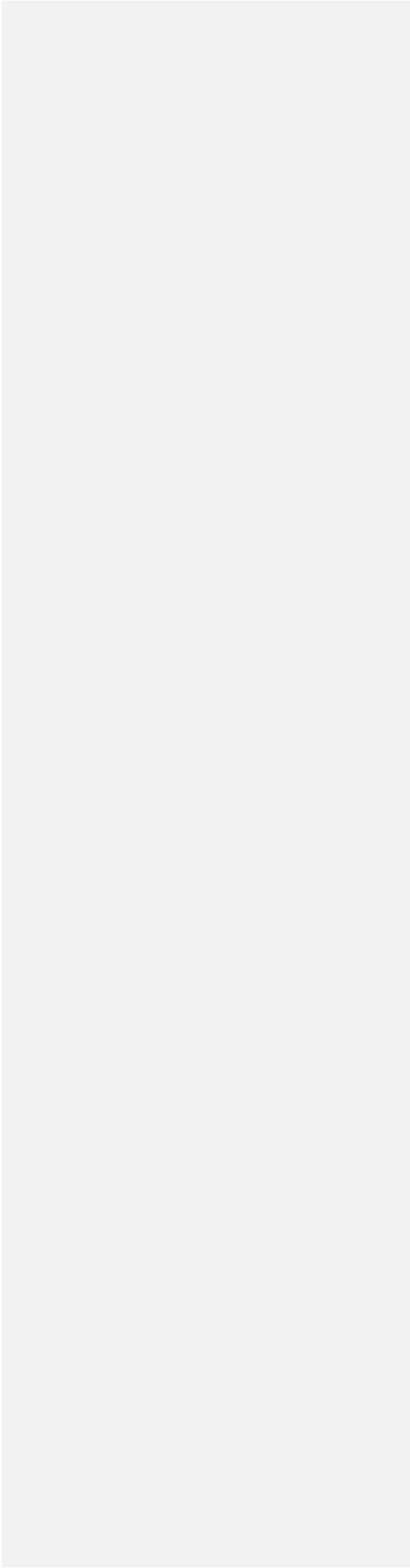
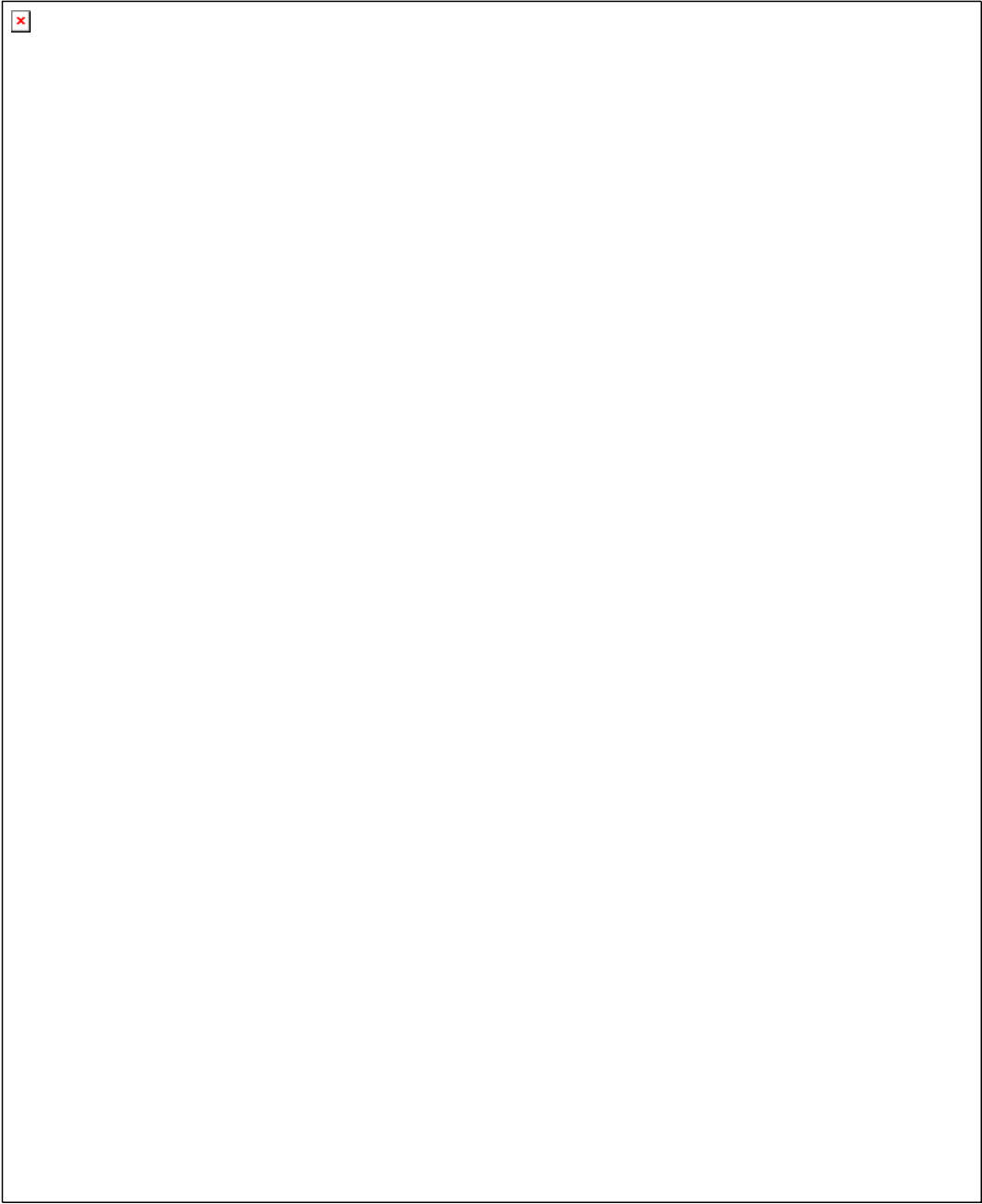
<sup>a</sup> Sanguineous discharge

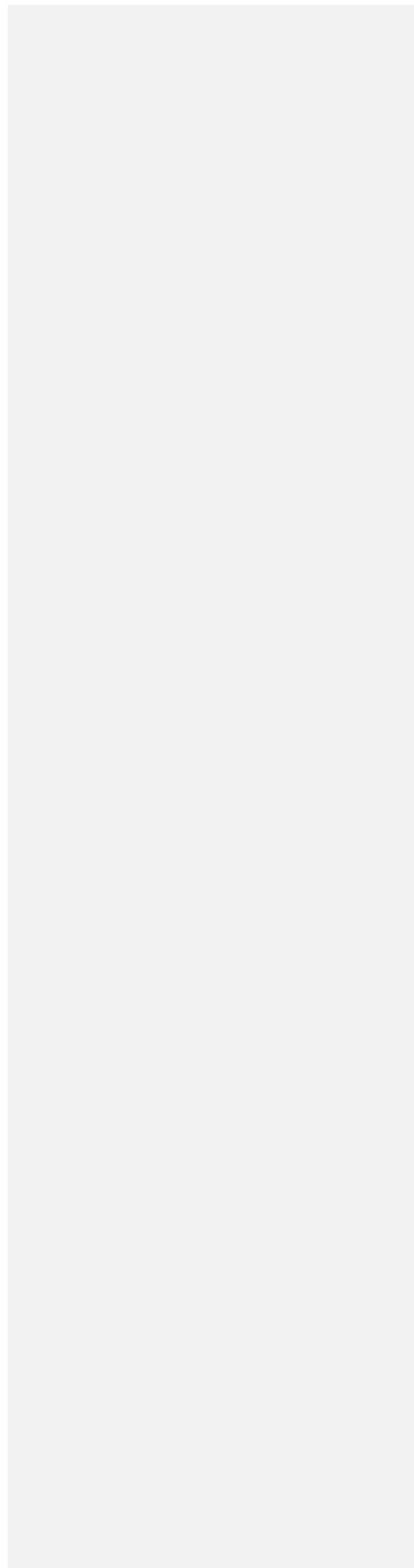


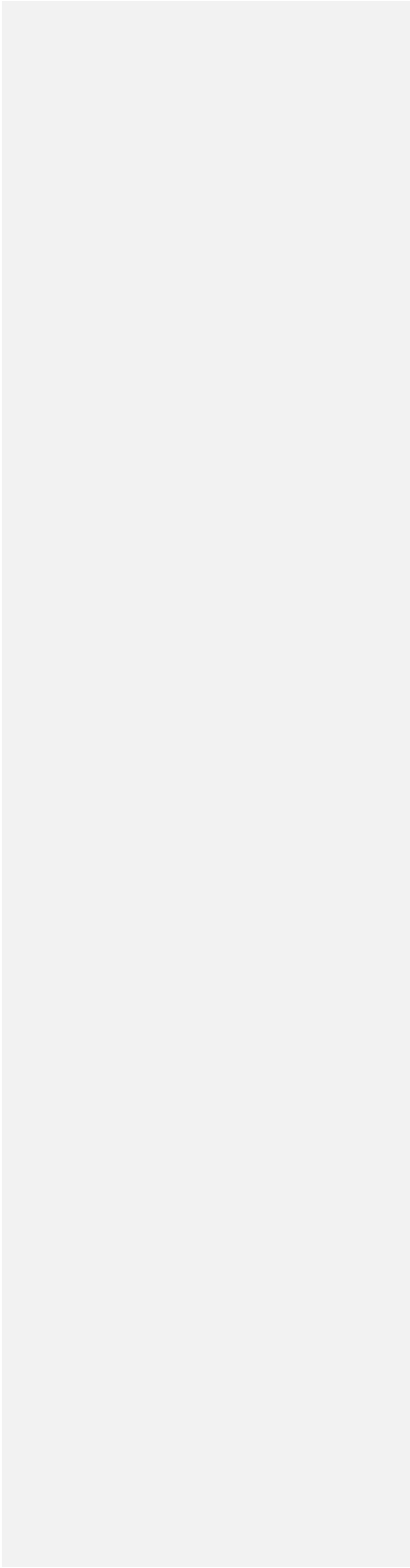
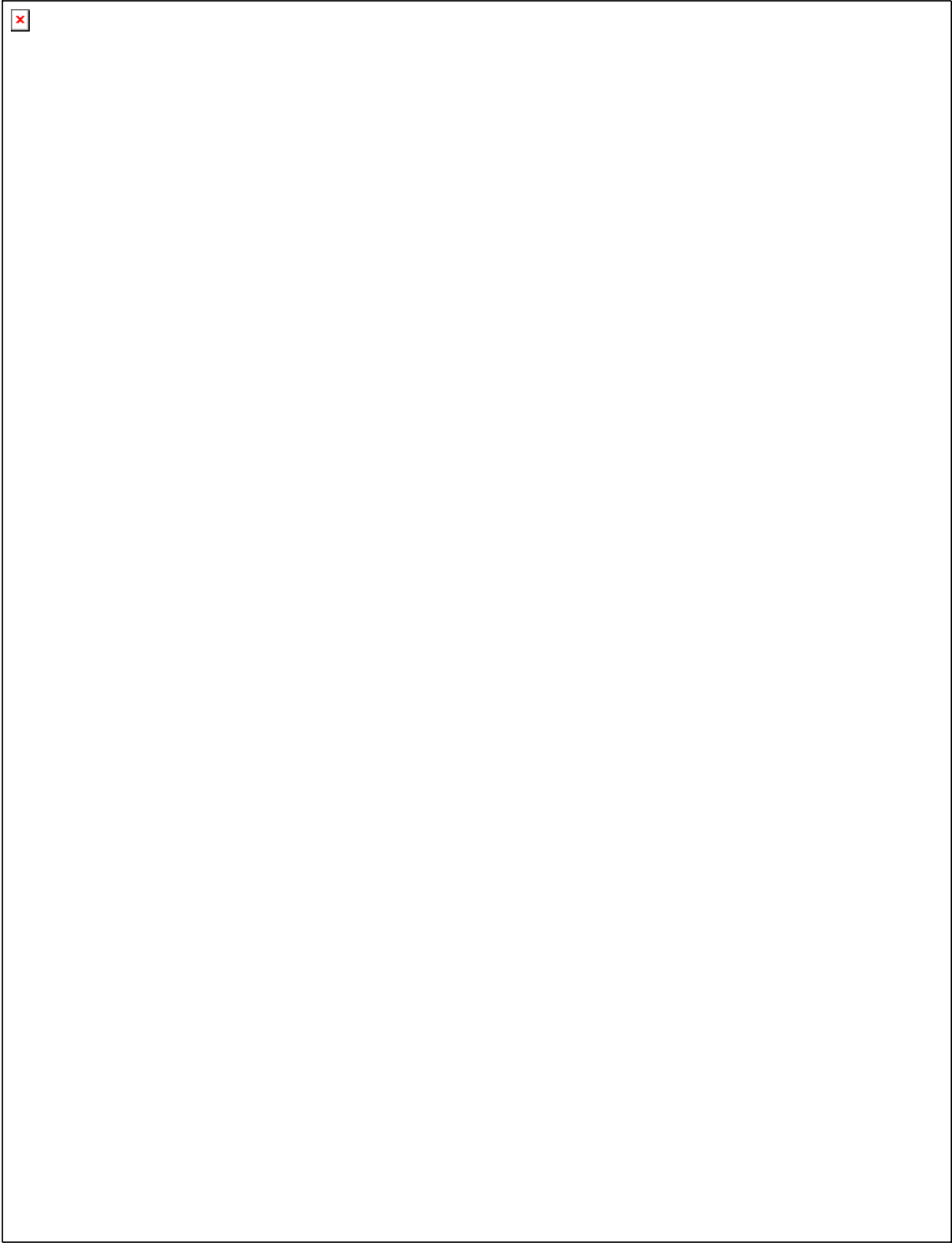


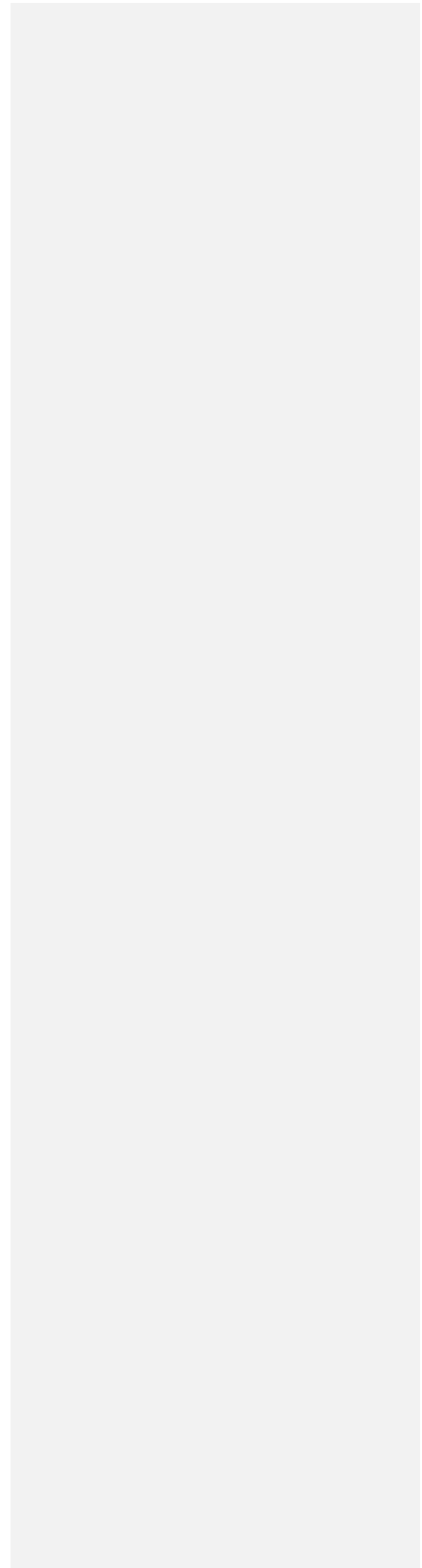












			Tween 20 <sup>a</sup>											
			Observation period (days)											
Animal No.			1 h	4 h	1	2	3	4	7	9	10	12	14	21
4	Cornea	Opacity A	-	-	0	0	0	-	0	-	-	-	-	-
		Area involved (AxB) x 5 B	-	-	0	0	0	-	0	-	-	-	-	-
4	Iris	C	-	-	0	0	0	-	0	-	-	-	-	-
		C x 5	-	-	0	0	0	-	0	-	-	-	-	-
4	Conjunctiva	Redness D	-	-	2	1	1	-	0	-	-	-	-	-
		Chemosis E	-	-	1	0	0	-	0	-	-	-	-	-
		Discharge F	-	-	0	0	0	-	0	-	-	-	-	-
		(D+E+F) x 2	-	-	6	2	0	-	0	-	-	-	-	-
<b>Total</b>			-	-	<b>6</b>	<b>2</b>	<b>0</b>	-	<b>0</b>	-	-	-	-	

**MMAS (Modified Maximum Average Score)  $(6+2+2+6) / 4 = 4$**

<sup>a</sup> Sorbitanpolyoxyethylene monolaurate

