

**TDMS No.** 20304 - 01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

TEF evaluation (PCB 118)

**CAS Number:** 31508-00-6

**Date Report Requested:** 06/24/2008

**Time Report Requested:** 13:39:56

**First Dose M/F:** NA / 03/26/04

**Lab:** BAT

31 Wk\_SSAC\_R8

**C Number:** C20304

**Lock Date:** 10/12/2006

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** 25017 SSAC

**Removal Date Range:** 27-Oct-2004 - 27-Oct-2004

**Treatment Groups:** Include 001 0 UG/KG

Include 002 10 UG/KG

Include 003 30 UG/KG

Include 004 100 UG/KG

Include 005 220 UG/KG

Include 006 460 UG/KG

Include 007 1000 UG/KG

Include 008 4600 UG/KG

**Study Gender:** Female

**TDMSE Version:** 2.0.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
<hr/>										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	7	7	7	7	7
<b>0 UG/KG</b>	1	2	3	4	5	1	2	3	4	5
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Clear Cell Focus	X				X						<b>2</b>
Inflammation	1	1	1	1	1	1	1	1	1	1	<b>10 1.0</b>
Bile Duct, Fibrosis									1		<b>1 1.0</b>
<hr/>											
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Chronic Active				1							<b>1 1.0</b>
<hr/>											
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>											
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel											<b>1</b>
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**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hyperplasia					1						<b>1 1.0</b>
Hypertrophy		1						1			<b>2 1.0</b>
<hr/>											
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
<hr/>										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	7	7	7	7	7
<b>0 UG/KG</b>	1	2	3	4	5	1	2	3	4	5
										<b>* TOTALS</b>

Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Follicular Cell, Hypertrophy	2										<b>1 2.0</b>

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation				2							<b>1 2.0</b>
Metaplasia, Squamous	1		1				1	1			<b>4 1.0</b>
Endometrium, Hyperplasia, Cystic				1							<b>1 1.0</b>
Vagina	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pigmentation	1	1	1	1	1	1	1	1	2	1	<b>10 1.1</b>

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	2	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	6	
<hr/>												
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	6	6	6	6	6	7	7	7	7	7	7	
<b>0 UG/KG</b>	1	2	3	4	5	1	2	3	4	5		<b>* TOTALS</b>
Thymus	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>												
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<hr/>												
<b>MUSCULOSKELETAL SYSTEM</b>												
NONE												
<hr/>												
<b>NERVOUS SYSTEM</b>												
NONE												
<hr/>												
<b>RESPIRATORY SYSTEM</b>												
Lung	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation								1				<b>1 1.0</b>
Alveolus, Infiltration Cellular, Histiocyte				1	1	1					1	<b>4 1.0</b>
<hr/>												
<b>SPECIAL SENSES SYSTEM</b>												
NONE												
<hr/>												
<b>URINARY SYSTEM</b>												
NONE												

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	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
ANIMAL ID	1	1	1	1	1	2	2	2	2	3
<b>10 UG/KG</b>	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Clear Cell Focus							X	X	X		<b>3</b>
Inflammation	1	1	1	1	1	1	1	1	1	1	<b>10 1.0</b>
.....											
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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	2	2	2	2	2	2	2	2	2	2	2		
	1	1	1	1	1	1	1	1	1	1	1		
	6	6	6	6	6	6	6	6	6	6	6		
<hr/>													
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	0		
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1		
ANIMAL ID	1	1	1	1	1	2	2	2	2	3			
<b>10 UG/KG</b>	1	2	3	4	5	6	7	8	9	0			<b>* TOTALS</b>
<hr/>													
Uterus	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Dilatation		3							4				<b>2 3.5</b>
Inflammation, Suppurative		1											<b>1 1.0</b>
Metaplasia, Squamous	1				1	1							<b>3 1.0</b>
<hr/>													
<b>HEMATOPOIETIC SYSTEM</b>													
<hr/>													
Thymus	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Atrophy							2						<b>1 2.0</b>
<hr/>													
<b>INTEGUMENTARY SYSTEM</b>													
NONE													
<hr/>													
<b>MUSCULOSKELETAL SYSTEM</b>													
NONE													
<hr/>													
<b>NERVOUS SYSTEM</b>													
NONE													
<hr/>													
<b>RESPIRATORY SYSTEM</b>													
<hr/>													
Lung	+	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Alveolus, Infiltration Cellular, Histiocyte								1					<b>1 1.0</b>
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	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
ANIMAL ID	1	1	1	1	1	2	2	2	2	3	
<b>10 UG/KG</b>	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>

**SPECIAL SENSES SYSTEM**  
 NONE

**URINARY SYSTEM**  
 NONE

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	1	1	1	1	2
<b>30 UG/KG</b>	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Clear Cell Focus	X	X				X		X				<b>4</b>
Inflammation	1	1	1	1	1	1	1	1	1	1		<b>10 1.0</b>
Mixed Cell Focus				X								<b>1</b>
Hepatocyte, Hypertrophy						1						<b>1 1.0</b>
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Hypertrophy		1										<b>1 1.0</b>
.....												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
.....												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**GENERAL BODY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
ANIMAL ID	0	0	0	0	0	1	1	1	1	2
<b>30 UG/KG</b>	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

**GENITAL SYSTEM**

Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Metaplasia, Squamous	1									1	<b>2 1.0</b>
Endometrium, Hyperplasia, Cystic				1						1	<b>2 1.0</b>

**HEMATOPOIETIC SYSTEM**

Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Atrophy				2							<b>1 2.0</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland										+	<b>1</b>
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**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
------	---	---	---	---	---	---	---	---	---	---	-----------

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
DAY ON TEST		2	2	2	2	2	2	2	2	2	2
DAY ON TEST		1	1	1	1	1	1	1	1	1	1
DAY ON TEST		6	6	6	6	6	6	6	6	6	6
.....											
<b>SPRAGUE-DAWLEY RATS</b>		0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>		0	0	0	0	0	0	0	0	0	0
<b>30 UG/KG</b>		2	2	2	2	2	2	2	2	2	2
ANIMAL ID		0	0	0	0	0	1	1	1	1	2
ANIMAL ID		1	2	3	4	5	6	7	8	9	0
											<b>* TOTALS</b>
Inflammation		1									<b>1 1.0</b>

**SPECIAL SENSES SYSTEM**  
 NONE

**URINARY SYSTEM**  
 NONE

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	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	6	6	6	6	6	7	7	7	7	8
<b>100 UG/KG</b>	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation	1	1	1	1	1	1	1	1	1	1		10 1.0
Hepatocyte, Hypertrophy			1									1 1.0
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	10	

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia			1									1 1.0
Hypertrophy				1								1 1.0
.....												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
.....												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	

**GENERAL BODY SYSTEM**

NONE

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TDMS No. 20304 - 01  
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 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
<hr/>										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	6	6	6	6	6	7	7	7	7	8
<b>100 UG/KG</b>	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

**GENITAL SYSTEM**

Uterus	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Suppurative										1		1 1.0
Metaplasia, Squamous					1					1	1	3 1.0

**HEMATOPOIETIC SYSTEM**

Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy										1		1 1.0

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	10	
Inflammation					1					1		2 1.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 12

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	6	6	6	6	6	7	7	7	7	8
<b>100 UG/KG</b>	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

Alveolar Epithelium, Infiltration Cellular, Histiocyte 1 1 1.0

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
<hr/>										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>220 UG/KG</b>	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	10	
Clear Cell Focus				X		X						2
Inflammation	1	1	1	2	1	1	1	1	1	1	10	1.1
Hepatocyte, Hypertrophy		1			1		1				3	1.0
<hr/>												
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
<hr/>												
Stomach, Glandular					+						1	
Hyperplasia					2						1	2.0

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy				1				1		2		3 1.3
<hr/>												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
<hr/>												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	

**GENERAL BODY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 14

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	4	4	4	4	4	4	4	4	4	4
<b>220 UG/KG</b>	0	0	0	0	0	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
										<b>* TOTALS</b>

NONE

**GENITAL SYSTEM**

Uterus	+	+	+	+	+	+	+	+	+	+	10
Dilatation										3	1 3.0
Inflammation, Suppurative										1	1 1.0
Metaplasia, Squamous	1										1 1.0
Endometrium, Hyperplasia, Cystic					1						1 1.0

**HEMATOPOIETIC SYSTEM**

Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy		1			2	1					3 1.3

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 15

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
DAY ON TEST		2	2	2	2	2	2	2	2	2	2
DAY ON TEST		1	1	1	1	1	1	1	1	1	1
DAY ON TEST		6	6	6	6	6	6	6	6	6	6
.....											
<b>SPRAGUE-DAWLEY RATS</b>		0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		4	4	4	4	4	4	4	4	4	4
<b>220 UG/KG</b>		0	0	0	0	0	2	2	2	2	3
ANIMAL ID		1	2	3	4	5	6	7	8	9	0
											<b>* TOTALS</b>

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
------	---	---	---	---	---	---	---	---	---	---	---	-----------

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 Page 16



TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	7	7	7	7	7	
<b>460 UG/KG</b>	6	7	8	9	0	1	2	3	4	5	<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Clear Cell Focus								X				<b>1</b>
Clear Cell Focus, Multiple						X						<b>1</b>
Inflammation	1	1	1	1	1		1	1	1	1		<b>9 1.0</b>
Mixed Cell Focus			X									<b>1</b>
Pigmentation	1											<b>1 1.0</b>
Hepatocyte, Hypertrophy	1	2	1	1	1	1	1					<b>8 1.1</b>
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Pituitary Gland			+								<b>1</b>	
Pars Distalis, Cyst			3									<b>1 3.0</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
C-cell, Hyperplasia								3				<b>1 3.0</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 17

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	7	7	7	7	7	
<b>460 UG/KG</b>	6	7	8	9	0	1	2	3	4	5	<b>* TOTALS</b>

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Dilatation				3	4						<b>2 3.5</b>
Inflammation, Suppurative				1	2						<b>2 1.5</b>
Metaplasia, Squamous						1			1		<b>2 1.0</b>

**HEMATOPOIETIC SYSTEM**

Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Atrophy	1								1		<b>2 1.0</b>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 TEF evaluation (PCB 118)  
 CAS Number: 31508-00-6

Date Report Requested: 06/24/2008  
 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	7	7	7	7	7	
<b>460 UG/KG</b>	6	7	8	9	0	1	2	3	4	5	<b>* TOTALS</b>

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation			1					1			<b>2 1.0</b>

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
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 Time Report Requested: 13:39:56  
 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	2	2	2	2	2	3	3	3	3	3
<b>1000 UG/KG</b>	1	2	3	4	5	1	2	3	4	5
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Clear Cell Focus			X	X		X						<b>3</b>
Hematopoietic Cell Proliferation									1			<b>1 1.0</b>
Inflammation	2	3	1	2	1	1	1	1	2	1		<b>10 1.5</b>
Mixed Cell Focus				X								<b>1</b>
Necrosis									1			<b>1 1.0</b>
Pigmentation		1			1	1	1	1	1			<b>6 1.0</b>
Hepatocyte, Hypertrophy	1	2	1	1	2	1	1	2	2	1		<b>10 1.4</b>
Oval Cell, Hyperplasia							1					<b>1 1.0</b>
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Inflammation, Chronic Active	2											<b>1 2.0</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Degeneration, Cystic						2						<b>1 2.0</b>
Hypertrophy	1						2		2			<b>3 1.7</b>
.....												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:39:56

First Dose M/F: NA / 03/26/04

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6	6
<hr/>											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	2	2	2	2	2	3	3	3	3	3	3
<b>1000 UG/KG</b>	1	2	3	4	5	1	2	3	4	5	
											<b>* TOTALS</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
C-cell, Hyperplasia										1	1 1.0
Follicular Cell, Hypertrophy				2				2			2 2.0

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Uterus	+	+	+	+	+	+	+	+	+	+	10
Dilatation			2	3				3			3 2.7
Inflammation, Suppurative								1			1 1.0
Metaplasia, Squamous			1				1		1	1	4 1.0

**HEMATOPOIETIC SYSTEM**

Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy								1			1 1.0

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 21

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
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 First Dose M/F: NA / 03/26/04  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	6	6	6	6	6	6	6	6	6	6	
1000 UG/KG	2	2	2	2	2	3	3	3	3	3	
	1	2	3	4	5	1	2	3	4	5	* TOTALS

**NERVOUS SYSTEM**  
 NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolar Epithelium, Hyperplasia							1				1 1.0
Alveolus, Infiltration Cellular, Histiocyte	1										1 1.0

**SPECIAL SENSES SYSTEM**  
 NONE

**URINARY SYSTEM**  
 NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

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First Dose M/F: NA / 03/26/04

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	
ANIMAL ID	3	3	3	3	4	6	6	6	6	6	
<b>4600 UG/KG</b>	6	7	8	9	0	1	2	3	4	5	<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Cholangiofibrosis						2						<b>1 2.0</b>
Fatty Change, Diffuse	3	3	3	3	2	3	3	2	3	3		<b>10 2.8</b>
Inflammation	2	2	3	2	2	2	2	2	2	2		<b>10 2.1</b>
Mixed Cell Focus					X							<b>1</b>
Pigmentation	1	1	2	2	2	2	2	1	1	2		<b>10 1.6</b>
Toxic Hepatopathy	1	1	1	1	1	1	1	1	1	1		<b>10 1.0</b>
Bile Duct, Hyperplasia					1			1				<b>2 1.0</b>
Hepatocyte, Hypertrophy	3	3	3	3	3	3	3	3	3	3		<b>10 3.0</b>
Hepatocyte, Multinucleated	1	1	1	1	1	1	2	1	1	1		<b>10 1.1</b>
Oval Cell, Hyperplasia	1	1		1	1	1	2	1	1	1		<b>9 1.1</b>
.....												
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Acinus, Atrophy, Focal										1		<b>1 1.0</b>
Acinus, Vacuolization Cytoplasmic	2	1	1		1		1		1			<b>6 1.2</b>
.....												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Edema	1											<b>1 1.0</b>
Inflammation	1				2							<b>2 1.5</b>
.....												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+										<b>1</b>	
--------------	---	--	--	--	--	--	--	--	--	--	----------	--

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

TDMS No. 20304 - 01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:39:56

First Dose M/F: NA / 03/26/04

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6
.....										
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7
ANIMAL ID	3	3	3	3	4	6	6	6	6	6
<b>4600 UG/KG</b>	6	7	8	9	0	1	2	3	4	5
										<b>* TOTALS</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Atrophy							2					<b>1 2.0</b>
Degeneration, Cystic						1						<b>1 1.0</b>
Hypertrophy						2		1				<b>2 1.5</b>
.....												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
.....												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
.....												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Follicular Cell, Hypertrophy	3		1	2	2	1	1	3		1		<b>8 1.8</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
.....												
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Dilatation							4					<b>1 4.0</b>

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 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	6	
.....											
<b>SPRAGUE-DAWLEY RATS</b>	0	0	0	0	0	0	0	0	0	0	
<b>FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	
ANIMAL ID	3	3	3	3	4	6	6	6	6	6	
<b>4600 UG/KG</b>	6	7	8	9	0	1	2	3	4	5	<b>* TOTALS</b>

Vagina + + + + + + + + + + **10**

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Pigmentation	1	1	1	1	1	2	2	1	1	1	<b>10 1.2</b>	
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Atrophy	2						2				<b>2 2.0</b>	

**INTEGUMENTARY SYSTEM**

Mammary Gland + + + + + + + + + + **10**

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Hemorrhage		1	1								<b>2 1.0</b>	
Alveolus, Infiltration Cellular, Histiocyte	1				1			1			<b>3 1.0</b>	

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 Route: GAVAGE  
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:39:56

First Dose M/F: NA / 03/26/04

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6

**SPRAGUE-DAWLEY RATS  
 FEMALE**

ANIMAL ID

**4600 UG/KG**

0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
7	7	7	7	7	7	7	7	7	7	7
3	3	3	3	4	6	6	6	6	6	6
6	7	8	9	0	1	2	3	4	5	

**\* TOTALS**

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\*\*\* END OF REPORT \*\*\*

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