

**TDMS No.** 88148 - 06  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

3,3',4,4'-Tetrachloroazobenzene

**CAS Number:** 14047-09-7

**Date Report Requested:** 06/10/2008

**Time Report Requested:** 07:37:02

**First Dose M/F:** 01/29/03 / 01/30/03

**Lab:** BAT

F1\_R8

**C Number:** C88148C  
**Lock Date:** 09/22/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.0.0

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 3,3',4,4'-Tetrachloroazobenzene**

**MALE RATS**

**Organ**

Adrenal Cortex

Adrenal Cortex: Zona Fasciculata

Blood Vessel

Bone Marrow

Brain

Coagulating Gland

Epididymis

Eye: Cornea

Eye: Retina

Heart

Kidney

Liver

Liver: Bile Duct

**Morphology**

Degeneration

Hypertrophy

Necrosis

Vacuolization Cytoplasmic

Hyperplasia

Inflammation

Hyperplasia

Necrosis

Inflammation

Granuloma Sperm

Inflammation

Degeneration

Cardiomyopathy

Mineralization

Necrosis

Thrombosis

Mineralization

Clear Cell Focus

Eosinophilic Focus

Fatty Change Diffuse

Fatty Change Focal

Fibrosis

Hematopoietic Cell Proliferation

Hyperplasia

Inflammation Chronic

Mixed Cell Focus

Necrosis

Pigmentation

Toxic Hepatopathy

Cyst

Dilatation

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 3,3',4,4'-Tetrachloroazobenzene**

Liver: Centrilobular	Fibrosis
Liver: Hepatocyte	Hyperplasia
	Degeneration
	Hypertrophy
Liver: Oval Cell	Multinucleated
Lung	Hyperplasia
	Inflammation Granulomatous
	Pigmentation
Lung: Alveolar Epithelium	Metaplasia
	Metaplasia Bronchiolar
Lung: Alveolus	Infiltration Cellular Histiocyte
Lymph Node, Mandibular	Atrophy
	Hyperplasia Lymphoid
Lymph Node, Mesenteric	Atrophy
	Pigmentation
Lymph Node: Mediastinal	Hyperplasia Lymphoid
Oral Mucosa: Gingival	Hyperplasia
	Hyperplasia Cystic Keratinizing
Pancreas	Atrophy
	Inflammation
Pancreas: Acinus	Hyperplasia
	Vacuolization Cytoplasmic
Parathyroid Gland	Hyperplasia
Pituitary Gland	Necrosis
Preputial Gland	Inflammation
Prostate	Inflammation
Prostate: Epithelium	Hyperplasia
Salivary Glands	Atrophy
Seminal Vesicle	Hyperplasia
	Inflammation
	Metaplasia
Spleen	Hematopoietic Cell Proliferation
Spleen: Lymphoid Follicle	Atrophy
Stomach, Forestomach	Necrosis

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## SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF 3,3',4,4'-Tetrachloroazobenzene

Stomach, Forestomach: Epithelium  
Testes  
Testes: Germinal Epithelium  
Thyroid Gland  
Thyroid Gland: C-Cell  
Thyroid Gland: Follicular Cell  
  
Tooth: Peridental Tissue  
Ureter: Transitional Epithelium  
Urethra: Transitional Epithelium

Hyperplasia  
Necrosis  
Degeneration  
Inflammation  
Hyperplasia  
Hyperplasia  
Hypertrophy  
Inflammation  
Hyperplasia  
Hyperplasia

### **FEMALE RATS**

#### **Organ**

Adrenal Cortex

Adrenal Cortex: Zona Fasciculata  
Adrenal Medulla  
Blood Vessel  
Bone Marrow  
Clitoral Gland

Heart

Heart: Endocardium  
Intestine Large, Colon  
Kidney

Kidney: Renal Tubule  
Liver

#### **Morphology**

Hypertrophy  
Necrosis  
Vacuolization Cytoplasmic  
Hyperplasia  
Hyperplasia  
Inflammation  
Hyperplasia  
Cyst  
Hyperplasia  
Inflammation  
Cardiomyopathy  
Thrombosis  
Hyperplasia  
Parasite Metazoan  
Infarct  
Inflammation Diffuse  
Nephropathy  
Necrosis  
Angiectasis  
Basophilic Focus  
Cholangiofibrosis

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### SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF 3,3',4,4'-Tetrachloroazobenzene

	Clear Cell Focus
	Degeneration Cystic
	Eosinophilic Focus
	Fatty Change Diffuse
	Fatty Change Focal
	Fibrosis
	Hematopoietic Cell Proliferation
	Hyperplasia
	Mixed Cell Focus
	Necrosis
	Necrosis Focal
	Pigmentation
	Toxic Hepatopathy
Liver: Bile Duct	Cyst
	Hyperplasia
Liver: Centrilobular	Degeneration
Liver: Hepatocyte	Hypertrophy
	Multinucleated
Liver: Oval Cell	Hyperplasia
Lung	Pigmentation
Lung: Alveolar Epithelium	Hyperplasia
	Metaplasia
	Metaplasia Bronchiolar
Lung: Alveolus	Infiltration Cellular Histiocyte
Lymph Node, Mandibular	Atrophy
Lymph Node, Mesenteric	Atrophy
	Atrophy Lymphoid
	Pigmentation
Mammary Gland	Galactocele
	Hyperplasia
Nose	Inflammation
Oral Mucosa: Gingival	Hyperplasia
	Hyperplasia Cystic Keratinizing
Ovary	Inflammation

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 3,3',4,4'-Tetrachloroazobenzene**

Oviduct	Cyst
Pancreas	Atrophy
	Inflammation
Pancreas: Acinus	Vacuolization Cytoplasmic
Parathyroid Gland	Hyperplasia
Spleen	Hematopoietic Cell Proliferation
	Pigmentation
Spleen: Lymphoid Follicle	Atrophy
Stomach, Forestomach	Cyst
	Inflammation
	Necrosis
Stomach, Forestomach: Epithelium	Hyperplasia
Thyroid Gland	Inflammation
Thyroid Gland: C-Cell	Hyperplasia
Thyroid Gland: Follicular Cell	Hyperplasia
	Hypertrophy
Tooth: Peridental Tissue	Inflammation
Uterus	Cyst
Uterus: Endometrium	Hyperplasia Cystic
Vagina: Epithelium	Hyperplasia

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Adrenal Cortex  
 Degeneration**

**LESION RATES**

OVERALL (a)	4/50 (8%)	14/50 (28%)	14/50 (28%)	9/50 (18%)
POLY-3 RATE (b)	4/41.44	14/33.59	14/31.25	9/29.56
POLY-3 PERCENT (g)	9.7%	41.7%	44.8%	30.5%
TERMINAL (d)	3/28 (11%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	496	176	281	274

**STATISTICAL TESTS**

POLY 3	P=0.134	P<0.001**	P<0.001**	P=0.027*
POLY 1.5	P=0.276	P=0.002**	P<0.001**	P=0.052
POLY 6	P=0.028*	P<0.001**	P<0.001**	P=0.009**
COCH-ARM / FISHERS	P=0.518	P=0.009**	P=0.009**	P=0.117
MAX-ISO-POLY-3	P=0.011*	P<0.001**	P<0.001**	P=0.026*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Adrenal Cortex  
 Hypertrophy**

**LESION RATES**

OVERALL (a)	33/50 (66%)	24/50 (48%)	11/50 (22%)	17/50 (34%)
POLY-3 RATE (b)	33/44.39	24/35.19	11/29.73	17/32.01
POLY-3 PERCENT (g)	74.3%	68.2%	37%	53.1%
TERMINAL (d)	23/28 (82%)	7/9 (78%)	2/4 (50%)	2/2 (100%)
FIRST INCIDENCE	420	176	281	192

**STATISTICAL TESTS**

POLY 3	P=0.018N*	P=0.347N	P<0.001N**	P=0.030N*
POLY 1.5	P=0.008N**	P=0.168N	P<0.001N**	P=0.006N**
POLY 6	P=0.098N	P=0.592	P=0.008N**	P=0.201N
COCH-ARM / FISHERS	P=0.007N**	P=0.053N	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	P=0.007N**	P=0.273N	P<0.001N**	P=0.030N*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Adrenal Cortex  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	4/50 (8%)	13/50 (26%)
POLY-3 RATE (b)	0/40.76	2/29.67	4/27.99	13/31.83
POLY-3 PERCENT (g)	0%	6.7%	14.3%	40.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	500	452	192

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.174	P=0.026*	P<0.001**
POLY 1.5	P<0.001**	P=0.198	P=0.036*	P<0.001**
POLY 6	P<0.001**	P=0.146	P=0.017*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.059	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.074	P=0.017*	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Adrenal Cortex  
 Vacuolization Cytoplasmic**

**LESION RATES**

OVERALL (a)	20/50 (40%)	29/50 (58%)	31/50 (62%)	25/50 (50%)
POLY-3 RATE (b)	20/42.68	29/38.77	31/37.66	25/35.41
POLY-3 PERCENT (g)	46.9%	74.8%	82.3%	70.6%
TERMINAL (d)	14/28 (50%)	5/9 (56%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	549	467	367	274

**STATISTICAL TESTS**

POLY 3	P=0.074	P=0.005**	P<0.001**	P=0.021*
POLY 1.5	P=0.209	P=0.012*	P<0.001**	P=0.063
POLY 6	P=0.009**	P=0.003**	P<0.001**	P=0.003**
COCH-ARM / FISHERS	P=0.486	P=0.055	P=0.022*	P=0.211
MAX-ISO-POLY-3	P=0.003**	P=0.004**	P<0.001**	P=0.018*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Adrenal Cortex: Zona Fasciculata  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	14/50 (28%)	22/50 (44%)	19/50 (38%)	21/50 (42%)
POLY-3 RATE (b)	14/43.00	22/36.96	19/32.30	21/34.22
POLY-3 PERCENT (g)	32.6%	59.5%	58.8%	61.4%
TERMINAL (d)	7/28 (25%)	5/9 (56%)	4/4 (100%)	0/2 (0%)
FIRST INCIDENCE	496	467	438	443

**STATISTICAL TESTS**

POLY 3	P=0.026*	P=0.010**	P=0.017*	P=0.008**
POLY 1.5	P=0.072	P=0.023*	P=0.049*	P=0.023*
POLY 6	P=0.005**	P=0.004**	P=0.003**	P=0.002**
COCH-ARM / FISHERS	P=0.233	P=0.072	P=0.198	P=0.104
MAX-ISO-POLY-3	P=0.010**	P=0.009**	P=0.018*	P=0.008**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Adrenal Medulla  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	10/50 (20%)	8/50 (16%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	10/41.54	8/30.99	5/27.44	6/26.97
POLY-3 PERCENT (g)	24.1%	25.8%	18.2%	22.2%
TERMINAL (d)	6/28 (21%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	639	535	487	433

**STATISTICAL TESTS**

POLY 3	P=0.462N	P=0.541	P=0.393N	P=0.545N
POLY 1.5	P=0.336N	P=0.560N	P=0.270N	P=0.390N
POLY 6	P=0.451	P=0.390	P=0.582N	P=0.461
COCH-ARM / FISHERS	P=0.220N	P=0.398N	P=0.131N	P=0.207N
MAX-ISO-POLY-3	P=0.556N	P=0.439	P=0.317N	P=0.441N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Blood Vessel  
 Inflammation**

**LESION RATES**

OVERALL (a)	21/50 (42%)	29/50 (58%)	30/50 (60%)	29/50 (58%)
POLY-3 RATE (b)	21/44.02	29/39.34	30/39.46	29/37.03
POLY-3 PERCENT (g)	47.7%	73.7%	76%	78.3%
TERMINAL (d)	13/28 (46%)	5/9 (56%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	420	380	295	192

**STATISTICAL TESTS**

POLY 3	P=0.009**	P=0.009**	P=0.004**	P=0.002**
POLY 1.5	P=0.035*	P=0.021*	P=0.009**	P=0.010**
POLY 6	P=0.002**	P=0.003**	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.191	P=0.081	P=0.055	P=0.081
MAX-ISO-POLY-3	P=0.002**	P=0.007**	P=0.003**	P=0.002**

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 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Blood Vessel  
 Mineralization**

**LESION RATES**

OVERALL (a)	5/50 (10%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	5/43.02	1/29.33	4/27.86	3/25.91
POLY-3 PERCENT (g)	11.6%	3.4%	14.4%	11.6%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	537	307	443

**STATISTICAL TESTS**

POLY 3	P=0.481	P=0.216N	P=0.511	P=0.641N
POLY 1.5	P=0.574	P=0.162N	P=0.614	P=0.525N
POLY 6	P=0.328	P=0.306N	P=0.374	P=0.484
COCH-ARM / FISHERS	P=0.529N	P=0.102N	P=0.500N	P=0.357N
MAX-ISO-POLY-3	P=0.488	P=0.150N	P=0.391	P=0.497N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Bone Marrow  
 Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	1/28.74	2/26.11	2/25.26
POLY-3 PERCENT (g)	0%	3.5%	7.7%	7.9%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	474	567

**STATISTICAL TESTS**

POLY 3	P=0.119	P=0.432	P=0.154	P=0.150
POLY 1.5	P=0.166	P=0.460	P=0.182	P=0.182
POLY 6	P=0.068	P=0.393	P=0.124	P=0.115
COCH-ARM / FISHERS	P=0.244	P=0.500	P=0.242	P=0.247
MAX-ISO-POLY-3	P=0.158	P=0.157	P=0.072	P=0.073

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Bone Marrow  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	12/50 (24%)	7/50 (14%)	21/49 (43%)	19/50 (38%)
POLY-3 RATE (b)	12/44.28	7/31.98	21/37.32	19/34.64
POLY-3 PERCENT (g)	27.1%	21.9%	56.3%	54.8%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	274	380	115	192

**STATISTICAL TESTS**

POLY 3	P=0.002**	P=0.403N	P=0.005**	P=0.009**
POLY 1.5	P=0.006**	P=0.287N	P=0.011*	P=0.027*
POLY 6	P<0.001**	P=0.572N	P<0.001**	P=0.002**
COCH-ARM / FISHERS	P=0.024*	P=0.154N	P=0.037*	P=0.097
MAX-ISO-POLY-3	P=0.004**	P=0.328N	P=0.004**	P=0.010**

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Brain  
 Gliosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	2/28.82	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	6.9%	0%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	705	---	---

**STATISTICAL TESTS**

POLY 3	P=0.521N	P=0.169	(e)	(e)
POLY 1.5	P=0.462N	P=0.196	(e)	(e)
POLY 6	P=0.609N	P=0.139	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.388N	P=0.074	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Brain  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.29	0/28.74	0/25.86	2/25.37
POLY-3 PERCENT (g)	2.4%	0%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	567	---	---	484

**STATISTICAL TESTS**

POLY 3	P=0.148	P=0.570N	P=0.589N	P=0.340
POLY 1.5	P=0.166	P=0.541N	P=0.554N	P=0.405
POLY 6	P=0.119	P=0.609N	P=0.634N	P=0.261
COCH-ARM / FISHERS	P=0.186	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.121	P=0.243N	P=0.265N	P=0.207

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Brain  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	4/29.94	1/26.25	3/25.75
POLY-3 PERCENT (g)	0%	13.4%	3.8%	11.7%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	332	617	225

**STATISTICAL TESTS**

POLY 3	P=0.134	P=0.030*	P=0.416	P=0.058
POLY 1.5	P=0.200	P=0.040*	P=0.449	P=0.079
POLY 6	P=0.064	P=0.020*	P=0.373	P=0.038*
COCH-ARM / FISHERS	P=0.306	P=0.059	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.092	P=0.018*	P=0.157	P=0.035*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Coagulating Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	4/49 (8%)
POLY-3 RATE (b)	1/41.08	3/29.89	2/26.51	4/24.87
POLY-3 PERCENT (g)	2.4%	10%	7.5%	16.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	639	549	617	560

**STATISTICAL TESTS**

POLY 3	P=0.066	P=0.203	P=0.355	P=0.068
POLY 1.5	P=0.107	P=0.242	P=0.410	P=0.102
POLY 6	P=0.029*	P=0.157	P=0.286	P=0.039*
COCH-ARM / FISHERS	P=0.183	P=0.309	P=0.500	P=0.175
MAX-ISO-POLY-3	P=0.085	P=0.120	P=0.212	P=0.053

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Epididymis  
 Granuloma Sperm**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	1/28.95	3/27.80	2/25.66
POLY-3 PERCENT (g)	0%	3.5%	10.8%	7.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	671	438	443

**STATISTICAL TESTS**

POLY 3	P=0.129	P=0.433	P=0.065	P=0.152
POLY 1.5	P=0.186	P=0.461	P=0.082	P=0.184
POLY 6	P=0.068	P=0.396	P=0.047*	P=0.117
COCH-ARM / FISHERS	P=0.280	P=0.500	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.122	P=0.158	P=0.036*	P=0.073

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Epididymis  
 Inflammation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/41.08	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	7.3%	0%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	639	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.133N	P=0.195N	P=0.223N	P=0.240N
POLY 1.5	P=0.131N	P=0.159N	P=0.175N	P=0.181N
POLY 6	P=0.157N	P=0.256N	P=0.304N	P=0.344N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.111N	P=0.106N	P=0.131N	P=0.146N

---

TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Eye: Anterior Chamber  
Inflammation

---

LESION RATES

OVERALL (a)	1/48 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/39.24	2/29.77	1/26.28	1/24.88
POLY-3 PERCENT (g)	2.6%	6.7%	3.8%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	717	500	609	529

---

STATISTICAL TESTS

POLY 3	P=0.606	P=0.405	P=0.663	P=0.649
POLY 1.5	P=0.613N	P=0.450	P=0.709	P=0.704
POLY 6	P=0.477	P=0.345	P=0.594	P=0.564
COCH-ARM / FISHERS	P=0.538N	P=0.515	P=0.742N	P=0.742N
MAX-ISO-POLY-3	P=0.555	P=0.235	P=0.406	P=0.396

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Eye: Cornea  
 Inflammation

**LESION RATES**

OVERALL (a)	3/48 (6%)	12/50 (24%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	3/39.46	12/32.43	5/27.48	2/25.10
POLY-3 PERCENT (g)	7.6%	37%	18.2%	8%
TERMINAL (d)	1/28 (4%)	3/9 (33%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	500	554	529

**STATISTICAL TESTS**

POLY 3	P=0.274N	P=0.002**	P=0.182	P=0.656
POLY 1.5	P=0.143N	P=0.004**	P=0.250	P=0.607N
POLY 6	P=0.566N	P<0.001**	P=0.112	P=0.523
COCH-ARM / FISHERS	P=0.057N	P=0.014*	P=0.381	P=0.480N
MAX-ISO-POLY-3	P=0.161	P=0.002**	P=0.136	P=0.482

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Eye: Retina  
 Degeneration

**LESION RATES**

OVERALL (a)	1/48 (2%)	1/50 (2%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	1/39.20	1/28.95	6/26.92	2/24.31
POLY-3 PERCENT (g)	2.6%	3.5%	22.3%	8.2%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	671	617	716

**STATISTICAL TESTS**

POLY 3	P=0.214	P=0.688	P=0.016*	P=0.343
POLY 1.5	P=0.330	P=0.725	P=0.028*	P=0.414
POLY 6	P=0.084	P=0.633	P=0.007**	P=0.254
COCH-ARM / FISHERS	P=0.495	P=0.742N	P=0.062	P=0.515
MAX-ISO-POLY-3	P=0.104	P=0.425	P=0.015*	P=0.210

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Heart  
 Cardiomyopathy**

**LESION RATES**

OVERALL (a)	47/50 (94%)	48/50 (96%)	45/50 (90%)	40/50 (80%)
POLY-3 RATE (b)	47/49.06	48/49.61	45/46.29	40/44.20
POLY-3 PERCENT (g)	95.8%	96.8%	97.2%	90.5%
TERMINAL (d)	28/28 (100%)	8/9 (89%)	4/4 (100%)	1/2 (50%)
FIRST INCIDENCE	274	62	115	174

**STATISTICAL TESTS**

POLY 3	P=0.083N	P=0.622	P=0.586	P=0.233N
POLY 1.5	P=0.025N*	P=0.565	P=0.646	P=0.122N
POLY 6	P=0.235N	P=0.711	P=0.590	P=0.410N
COCH-ARM / FISHERS	P=0.004N**	P=0.500	P=0.357N	P=0.036N*
MAX-ISO-POLY-3	P=0.099N	P=0.390	P=0.332	P=0.122N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Heart  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/40.76	0/28.74	2/27.34	1/25.11
POLY-3 PERCENT (g)	2.5%	0%	7.3%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	295	387

**STATISTICAL TESTS**

POLY 3	P=0.434	P=0.568N	P=0.366	P=0.642
POLY 1.5	P=0.500	P=0.540N	P=0.419	P=0.696
POLY 6	P=0.328	P=0.606N	P=0.298	P=0.558
COCH-ARM / FISHERS	P=0.577	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.358	P=0.241N	P=0.217	P=0.390

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Heart  
 Mineralization**

**LESION RATES**

OVERALL (a)	5/50 (10%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	5/42.98	0/28.74	1/25.93	1/24.67
POLY-3 PERCENT (g)	11.6%	0%	3.9%	4.1%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	---	712	613

**STATISTICAL TESTS**

POLY 3	P=0.247N	P=0.083N	P=0.264N	P=0.284N
POLY 1.5	P=0.219N	P=0.056N	P=0.187N	P=0.193N
POLY 6	P=0.328N	P=0.136N	P=0.389N	P=0.433N
COCH-ARM / FISHERS	P=0.215N	P=0.028N*	P=0.102N	P=0.102N
MAX-ISO-POLY-3	P=0.171N	P=0.058N	P=0.194N	P=0.211N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Heart  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.21
POLY-3 PERCENT (g)	0%	0%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	476

**STATISTICAL TESTS**

POLY 3	P=0.027*	(e)	(e)	P=0.150
POLY 1.5	P=0.032*	(e)	(e)	P=0.182
POLY 6	P=0.020*	(e)	(e)	P=0.114
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.073

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Heart  
 Thrombosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	4/30.18	2/26.36	4/25.90
POLY-3 PERCENT (g)	0%	13.3%	7.6%	15.4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	454	609	433

**STATISTICAL TESTS**

POLY 3	P=0.052	P=0.030*	P=0.156	P=0.022*
POLY 1.5	P=0.091	P=0.041*	P=0.185	P=0.034*
POLY 6	P=0.020*	P=0.021*	P=0.124	P=0.012*
COCH-ARM / FISHERS	P=0.170	P=0.059	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.046*	P=0.018*	P=0.073	P=0.017*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Heart: Endocardium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.89	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	689	---	---

**STATISTICAL TESTS**

POLY 3	P=0.668N	P=0.433	(e)	(e)
POLY 1.5	P=0.638N	P=0.461	(e)	(e)
POLY 6	P=0.710N	P=0.396	(e)	(e)
COCH-ARM / FISHERS	P=0.601N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.496N	P=0.157	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Intestine Large, Colon  
 Parasite Metazoan

**LESION RATES**

OVERALL (a)	6/50 (12%)	6/50 (12%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	6/40.76	6/31.25	3/27.78	5/27.65
POLY-3 PERCENT (g)	14.7%	19.2%	10.8%	18.1%
TERMINAL (d)	6/28 (21%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	332	367	192

**STATISTICAL TESTS**

POLY 3	P=0.491	P=0.427	P=0.459N	P=0.486
POLY 1.5	P=0.566N	P=0.510	P=0.366N	P=0.604
POLY 6	P=0.308	P=0.314	P=0.594N	P=0.311
COCH-ARM / FISHERS	P=0.464N	P=0.620N	P=0.243N	P=0.500N
MAX-ISO-POLY-3	P=0.586	P=0.328	P=0.347N	P=0.377

---



TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Kidney  
Accumulation, Hyaline Droplet

---

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Casts**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Kidney  
 Infarct

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Inflammation Diffuse**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Kidney  
Mineralization

---

LESION RATES

OVERALL (a)	22/50 (44%)	20/50 (40%)	24/50 (48%)	24/50 (48%)
POLY-3 RATE (b)	22/45.31	20/35.99	24/39.60	24/35.29
POLY-3 PERCENT (g)	48.6%	55.6%	60.6%	68%
TERMINAL (d)	12/28 (43%)	6/9 (67%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	274	380	38	174

---

STATISTICAL TESTS

POLY 3	P=0.047*	P=0.338	P=0.176	P=0.054
POLY 1.5	P=0.117	P=0.492	P=0.272	P=0.144
POLY 6	P=0.010**	P=0.171	P=0.084	P=0.012*
COCH-ARM / FISHERS	P=0.312	P=0.420N	P=0.421	P=0.421
MAX-ISO-POLY-3	P=0.072	P=0.280	P=0.138	P=0.049*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	50/50 (100%)	50/50 (100%)	47/50 (94%)	48/50 (96%)
POLY-3 RATE (b)	50/50.00	50/50.00	47/47.35	48/48.69
POLY-3 PERCENT (g)	100%	100%	99.3%	98.6%
TERMINAL (d)	28/28 (100%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	62	115	174

**STATISTICAL TESTS**

POLY 3	P=0.357N	(e)	P=0.979N	P=0.704N
POLY 1.5	P=0.186N	(e)	P=0.634N	P=0.432N
POLY 6	P=0.900N	(e)	P=1.000N	P=0.992N
COCH-ARM / FISHERS	P=0.177N	(e)	P=0.121N	P=0.247N
MAX-ISO-POLY-3	P=0.100N	(e)	P=0.130N	P=0.105N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Kidney: Cortex  
 Cyst

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/41.44	3/29.45	1/26.28	2/24.69
POLY-3 PERCENT (g)	4.8%	10.2%	3.8%	8.1%
TERMINAL (d)	1/28 (4%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	496	549	609	603

**STATISTICAL TESTS**

POLY 3	P=0.499	P=0.350	P=0.650N	P=0.497
POLY 1.5	P=0.592	P=0.410	P=0.592N	P=0.583
POLY 6	P=0.350	P=0.274	P=0.702	P=0.380
COCH-ARM / FISHERS	P=0.555N	P=0.500	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.536	P=0.232	P=0.435N	P=0.338

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney: Papilla  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney: Pelvis  
 Dilatation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	1/24.55
POLY-3 PERCENT (g)	0%	0%	0%	4.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	650

**STATISTICAL TESTS**

POLY 3	P=0.170	(e)	(e)	P=0.404
POLY 1.5	P=0.191	(e)	(e)	P=0.444
POLY 6	P=0.144	(e)	(e)	P=0.353
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.125	(e)	(e)	P=0.157

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney: Pelvis  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.08	2/29.74	0/25.86	2/25.00
POLY-3 PERCENT (g)	2.4%	6.7%	0%	8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	639	549	---	603

**STATISTICAL TESTS**

POLY 3	P=0.313	P=0.390	P=0.588N	P=0.338
POLY 1.5	P=0.376	P=0.435	P=0.553N	P=0.403
POLY 6	P=0.225	P=0.332	P=0.633N	P=0.258
COCH-ARM / FISHERS	P=0.454	P=0.500	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.299	P=0.227	P=0.264N	P=0.206

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney: Pelvis, Transitional Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/40.80	1/29.41	1/26.40	1/24.69
POLY-3 PERCENT (g)	2.5%	3.4%	3.8%	4.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	716	500	562	603

**STATISTICAL TESTS**

POLY 3	P=0.531	P=0.683	P=0.655	P=0.638
POLY 1.5	P=0.597	P=0.717	P=0.700	P=0.693
POLY 6	P=0.423	P=0.630	P=0.588	P=0.554
COCH-ARM / FISHERS	P=0.675	P=0.753N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.608	P=0.419	P=0.398	P=0.387

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney: Renal Tubule  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Angiectasis

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.30	1/28.74	1/25.86	0/24.26
POLY-3 PERCENT (g)	4.8%	3.5%	3.9%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	592	727 (T)	727 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.276N	P=0.622N	P=0.653N	P=0.369N
POLY 1.5	P=0.236N	P=0.571N	P=0.594N	P=0.309N
POLY 6	P=0.363N	P=0.688N	P=0.692	P=0.461N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.325N	P=0.407N	P=0.439N	P=0.200N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Liver**  
**Basophilic Focus**

**LESION RATES**

OVERALL (a)	3/50 (6%)	1/50 (2%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	3/41.16	1/28.88	5/28.27	2/24.84
POLY-3 PERCENT (g)	7.3%	3.5%	17.7%	8.1%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	640	690	438	650

**STATISTICAL TESTS**

POLY 3	P=0.447	P=0.440N	P=0.177	P=0.634
POLY 1.5	P=0.559	P=0.381N	P=0.239	P=0.627N
POLY 6	P=0.273	P=0.525N	P=0.111	P=0.502
COCH-ARM / FISHERS	P=0.532N	P=0.309N	P=0.357	P=0.500N
MAX-ISO-POLY-3	P=0.327	P=0.286N	P=0.132	P=0.464

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Cholangiofibrosis

**LESION RATES**

OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/41.12	3/30.16	2/27.09	0/24.26
POLY-3 PERCENT (g)	2.4%	10%	7.4%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	627	514	468	---

**STATISTICAL TESTS**

POLY 3	P=0.363N	P=0.205	P=0.361	P=0.599N
POLY 1.5	P=0.274N	P=0.243	P=0.414	P=0.558N
POLY 6	P=0.521N	P=0.159	P=0.293	P=0.652N
COCH-ARM / FISHERS	P=0.183N	P=0.309	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.307N	P=0.121	P=0.215	P=0.278N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	32/50 (64%)	12/50 (24%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	32/42.24	12/31.40	8/27.77	4/25.70
POLY-3 PERCENT (g)	75.8%	38.2%	28.8%	15.6%
TERMINAL (d)	27/28 (96%)	5/9 (56%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	575	380	554	503

**STATISTICAL TESTS**

POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Degeneration Cystic

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/40.84	0/28.74	1/26.14	1/24.56
POLY-3 PERCENT (g)	4.9%	0%	3.8%	4.1%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	706	---	653	648

**STATISTICAL TESTS**

POLY 3	P=0.635	P=0.323N	P=0.647N	P=0.665N
POLY 1.5	P=0.649N	P=0.284N	P=0.590N	P=0.598N
POLY 6	P=0.550	P=0.381N	P=0.705	P=0.667
COCH-ARM / FISHERS	P=0.627N	P=0.247N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.535N	P=0.157N	P=0.433N	P=0.451N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	3/50 (6%)	9/50 (18%)	4/50 (8%)	12/50 (24%)
POLY-3 RATE (b)	3/40.76	9/31.23	4/26.75	12/28.78
POLY-3 PERCENT (g)	7.4%	28.8%	15%	41.7%
TERMINAL (d)	3/28 (11%)	4/9 (44%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	500	587	500

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.016*	P=0.284	P<0.001**
POLY 1.5	P=0.004**	P=0.029*	P=0.365	P=0.002**
POLY 6	P<0.001**	P=0.007**	P=0.191	P<0.001**
COCH-ARM / FISHERS	P=0.020*	P=0.061	P=0.500	P=0.011*
MAX-ISO-POLY-3	P<0.001**	P=0.014*	P=0.208	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Fatty Change Diffuse

**LESION RATES**

OVERALL (a)	3/50 (6%)	9/50 (18%)	18/50 (36%)	34/50 (68%)
POLY-3 RATE (b)	3/41.08	9/31.65	18/32.93	34/42.04
POLY-3 PERCENT (g)	7.3%	28.4%	54.7%	80.9%
TERMINAL (d)	2/28 (7%)	3/9 (33%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	639	514	115	274

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.017*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.029*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.061	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.014*	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Fatty Change Focal

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	1/41.41	2/29.77	7/28.61	3/24.75
POLY-3 PERCENT (g)	2.4%	6.7%	24.5%	12.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	513	500	448	657

**STATISTICAL TESTS**

POLY 3	P=0.113	P=0.388	P=0.006**	P=0.156
POLY 1.5	P=0.211	P=0.434	P=0.012*	P=0.210
POLY 6	P=0.033*	P=0.329	P=0.003**	P=0.101
COCH-ARM / FISHERS	P=0.384	P=0.500	P=0.030*	P=0.309
MAX-ISO-POLY-3	P=0.068	P=0.226	P=0.007**	P=0.105

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Fibrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	1/28.95	0/25.86	4/26.82
POLY-3 PERCENT (g)	0%	3.5%	0%	14.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	671	---	192

**STATISTICAL TESTS**

POLY 3	P=0.004**	P=0.433	(e)	P=0.024*
POLY 1.5	P=0.006**	P=0.461	(e)	P=0.035*
POLY 6	P=0.002**	P=0.396	(e)	P=0.013*
COCH-ARM / FISHERS	P=0.010**	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.007**	P=0.158	(e)	P=0.017*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Liver**  
**Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	5/50 (10%)	40/50 (80%)	37/50 (74%)	30/50 (60%)
POLY-3 RATE (b)	5/43.53	40/44.79	37/43.45	30/39.22
POLY-3 PERCENT (g)	11.5%	89.3%	85.2%	76.5%
TERMINAL (d)	0/28 (0%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	176	38	174

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.021*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Hepatodiaphragmatic Nodule

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	2/29.44	1/26.28	0/24.26
POLY-3 PERCENT (g)	0%	6.8%	3.8%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	576	609	---

**STATISTICAL TESTS**

POLY 3	P=0.554N	P=0.173	P=0.416	(e)
POLY 1.5	P=0.478N	P=0.197	P=0.449	(e)
POLY 6	P=0.661	P=0.144	P=0.373	(e)
COCH-ARM / FISHERS	P=0.383N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.366	P=0.074	P=0.157	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Hyperplasia

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	1/28.95	1/26.40	3/25.83
POLY-3 PERCENT (g)	0%	3.5%	3.8%	11.6%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	671	562	192

**STATISTICAL TESTS**

POLY 3	P=0.028*	P=0.433	P=0.417	P=0.058
POLY 1.5	P=0.042*	P=0.461	P=0.449	P=0.079
POLY 6	P=0.015*	P=0.396	P=0.374	P=0.038*
COCH-ARM / FISHERS	P=0.066	P=0.500	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.041*	P=0.158	P=0.157	P=0.035*



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Inflammation Chronic

**LESION RATES**

OVERALL (a)	40/50 (80%)	37/50 (74%)	30/50 (60%)	28/50 (56%)
POLY-3 RATE (b)	40/46.38	37/42.73	30/40.30	28/37.83
POLY-3 PERCENT (g)	86.2%	86.6%	74.4%	74%
TERMINAL (d)	25/28 (89%)	8/9 (89%)	3/4 (75%)	2/2 (100%)
FIRST INCIDENCE	398	176	38	225

**STATISTICAL TESTS**

POLY 3	P=0.051N	P=0.615	P=0.103N	P=0.097N
POLY 1.5	P=0.021N*	P=0.519N	P=0.047N*	P=0.035N*
POLY 6	P=0.189N	P=0.460	P=0.292N	P=0.334N
COCH-ARM / FISHERS	P=0.008N**	P=0.318N	P=0.024N*	P=0.009N**
MAX-ISO-POLY-3	P=0.081N	P=0.478	P=0.070N	P=0.070N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	7/50 (14%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	7/41.12	3/29.75	3/26.53	1/24.57
POLY-3 PERCENT (g)	17%	10.1%	11.3%	4.1%
TERMINAL (d)	6/28 (21%)	0/9 (0%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	627	576	617	643

**STATISTICAL TESTS**

POLY 3	P=0.110N	P=0.318N	P=0.388N	P=0.134N
POLY 1.5	P=0.072N	P=0.244N	P=0.283N	P=0.075N
POLY 6	P=0.214N	P=0.434N	P=0.546N	P=0.267N
COCH-ARM / FISHERS	P=0.048N*	P=0.159N	P=0.159N	P=0.030N*
MAX-ISO-POLY-3	P=0.158N	P=0.240N	P=0.301N	P=0.111N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Necrosis

**LESION RATES**

OVERALL (a)	1/50 (2%)	7/50 (14%)	18/50 (36%)	21/50 (42%)
POLY-3 RATE (b)	1/40.84	7/31.96	18/34.81	21/34.62
POLY-3 PERCENT (g)	2.5%	21.9%	51.7%	60.7%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	706	454	115	225

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.011*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.016*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.006**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.030*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.008**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Necrosis Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Liver  
 Pigmentation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	1/41.08	4/30.45	5/27.84	6/26.95
POLY-3 PERCENT (g)	2.4%	13.1%	18%	22.3%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	639	504	487	387

**STATISTICAL TESTS**

POLY 3	P=0.019*	P=0.102	P=0.037*	P=0.014*
POLY 1.5	P=0.041*	P=0.129	P=0.056	P=0.025*
POLY 6	P=0.005**	P=0.073	P=0.021*	P=0.005**
COCH-ARM / FISHERS	P=0.097	P=0.181	P=0.102	P=0.056
MAX-ISO-POLY-3	P=0.031*	P=0.063	P=0.029*	P=0.014*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Toxic Hepatopathy

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	0/40.76	0/28.74	5/28.42	8/28.37
POLY-3 PERCENT (g)	0%	0%	17.6%	28.2%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	448	476

**STATISTICAL TESTS**

POLY 3	P<0.001**	(e)	P=0.010**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.016*	P<0.001**
POLY 6	P<0.001**	(e)	P=0.006**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.028*	P=0.003**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.008**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Bile Duct  
 Cyst

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	0/28.74	1/25.98	4/25.32
POLY-3 PERCENT (g)	0%	0%	3.9%	15.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	---	---	697	514

**STATISTICAL TESTS**

POLY 3	P=0.002**	(e)	P=0.414	P=0.021*
POLY 1.5	P=0.003**	(e)	P=0.448	P=0.033*
POLY 6	P<0.001**	(e)	P=0.370	P=0.011*
COCH-ARM / FISHERS	P=0.005**	(e)	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.003**	(e)	P=0.157	P=0.017*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Bile Duct  
 Dilatation

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.74	3/27.72	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	10.8%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	448	---

**STATISTICAL TESTS**

POLY 3	P=0.629	P=0.432	P=0.065	(e)
POLY 1.5	P=0.595N	P=0.460	P=0.082	(e)
POLY 6	P=0.444	P=0.393	P=0.047*	(e)
COCH-ARM / FISHERS	P=0.474N	P=0.500	P=0.121	(e)
MAX-ISO-POLY-3	P=0.251	P=0.157	P=0.036*	(e)

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Bile Duct  
 Fibrosis

**LESION RATES**

OVERALL (a)	10/50 (20%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	10/41.51	3/29.18	1/26.28	3/25.44
POLY-3 PERCENT (g)	24.1%	10.3%	3.8%	11.8%
TERMINAL (d)	7/28 (25%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	627	627	609	539

**STATISTICAL TESTS**

POLY 3	P=0.146N	P=0.125N	P=0.033N*	P=0.189N
POLY 1.5	P=0.111N	P=0.075N	P=0.015N*	P=0.100N
POLY 6	P=0.251N	P=0.232N	P=0.091N	P=0.383N
COCH-ARM / FISHERS	P=0.097N	P=0.036N*	P=0.004N**	P=0.036N*
MAX-ISO-POLY-3	P=0.092N	P=0.103N	P=0.035N*	P=0.162N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Bile Duct  
 Hyperplasia

**LESION RATES**

OVERALL (a)	34/50 (68%)	38/50 (76%)	36/50 (72%)	29/50 (58%)
POLY-3 RATE (b)	34/44.85	38/44.23	36/40.36	29/37.51
POLY-3 PERCENT (g)	75.8%	85.9%	89.2%	77.3%
TERMINAL (d)	22/28 (79%)	6/9 (67%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	496	62	307	274

**STATISTICAL TESTS**

POLY 3	P=0.436N	P=0.153	P=0.071	P=0.543
POLY 1.5	P=0.221N	P=0.178	P=0.124	P=0.481N
POLY 6	P=0.428	P=0.139	P=0.051	P=0.325
COCH-ARM / FISHERS	P=0.059N	P=0.252	P=0.414	P=0.204N
MAX-ISO-POLY-3	P=0.242	P=0.096	P=0.045*	P=0.433

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Centrilobular  
 Degeneration

**LESION RATES**

OVERALL (a)	0/50 (0%)	10/50 (20%)	23/50 (46%)	24/50 (48%)
POLY-3 RATE (b)	0/40.76	10/33.74	23/36.56	24/37.22
POLY-3 PERCENT (g)	0%	29.6%	62.9%	64.5%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	62	258	192

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Hepatocyte  
 Hypertrophy

**LESION RATES**

OVERALL (a)	0/50 (0%)	6/50 (12%)	11/50 (22%)	22/50 (44%)
POLY-3 RATE (b)	0/40.76	6/30.24	11/30.40	22/33.61
POLY-3 PERCENT (g)	0%	19.8%	36.2%	65.5%
TERMINAL (d)	0/28 (0%)	4/9 (44%)	3/4 (75%)	2/2 (100%)
FIRST INCIDENCE	---	62	115	274

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.005**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.008**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.013*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.004**	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Hepatocyte  
 Multinucleated

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	0/28.74	1/25.86	3/25.85
POLY-3 PERCENT (g)	0%	0%	3.9%	11.6%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	---	---	727 (T)	539

**STATISTICAL TESTS**

POLY 3	P=0.010**	(e)	P=0.413	P=0.058
POLY 1.5	P=0.014*	(e)	P=0.447	P=0.078
POLY 6	P=0.006**	(e)	P=0.368	P=0.039*
COCH-ARM / FISHERS	P=0.022*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.016*	(e)	P=0.157	P=0.035*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Oval Cell  
 Hyperplasia

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	0/40.76	4/29.78	8/28.69	5/26.38
POLY-3 PERCENT (g)	0%	13.4%	27.9%	19%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	576	533	567

**STATISTICAL TESTS**

POLY 3	P=0.025*	P=0.030*	P<0.001**	P=0.008**
POLY 1.5	P=0.062	P=0.040*	P<0.001**	P=0.014*
POLY 6	P=0.005**	P=0.020*	P<0.001**	P=0.004**
COCH-ARM / FISHERS	P=0.165	P=0.059	P=0.003**	P=0.028*
MAX-ISO-POLY-3	P=0.013*	P=0.018*	P<0.001**	P=0.008**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lung  
 Congestion**

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/41.41	2/29.59	0/25.86	0/24.26
POLY-3 PERCENT (g)	2.4%	6.8%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	514	---	---

**STATISTICAL TESTS**

POLY 3	P=0.320N	P=0.386	P=0.589N	P=0.600N
POLY 1.5	P=0.273N	P=0.432	P=0.554N	P=0.559N
POLY 6	P=0.407N	P=0.326	P=0.634N	P=0.653N
COCH-ARM / FISHERS	P=0.228N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.322N	P=0.225	P=0.266N	P=0.279N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lung  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	6/50 (12%)	6/50 (12%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	6/41.09	6/30.70	6/29.52	5/27.15
POLY-3 PERCENT (g)	14.6%	19.5%	20.3%	18.4%
TERMINAL (d)	4/28 (14%)	2/9 (22%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	650	500	295	281

**STATISTICAL TESTS**

POLY 3	P=0.451	P=0.408	P=0.380	P=0.468
POLY 1.5	P=0.574N	P=0.497	P=0.474	P=0.590
POLY 6	P=0.249	P=0.292	P=0.260	P=0.297
COCH-ARM / FISHERS	P=0.432N	P=0.620N	P=0.620N	P=0.500N
MAX-ISO-POLY-3	P=0.527	P=0.314	P=0.295	P=0.364

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lung  
 Inflammation Granulomatous**

**LESION RATES**

OVERALL (a)	7/50 (14%)	1/50 (2%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	7/41.83	1/29.53	2/26.51	5/26.93
POLY-3 PERCENT (g)	16.7%	3.4%	7.5%	18.6%
TERMINAL (d)	4/28 (14%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	549	427	617	365

**STATISTICAL TESTS**

POLY 3	P=0.357	P=0.087N	P=0.243N	P=0.550
POLY 1.5	P=0.418	P=0.057N	P=0.162N	P=0.564N
POLY 6	P=0.245	P=0.151N	P=0.381N	P=0.359
COCH-ARM / FISHERS	P=0.473	P=0.030N*	P=0.080N	P=0.380N
MAX-ISO-POLY-3	P=0.303	P=0.066N	P=0.190N	P=0.435

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung  
 Pigmentation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	16/50 (32%)	12/50 (24%)	16/50 (32%)
POLY-3 RATE (b)	3/40.76	16/33.07	12/30.25	16/31.03
POLY-3 PERCENT (g)	7.4%	48.4%	39.7%	51.6%
TERMINAL (d)	3/28 (11%)	5/9 (56%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	427	452	281

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.004**	P<0.001**	P=0.002**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.030*	P<0.001**	P=0.011*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/40.76	3/28.95	0/25.86	2/24.74
POLY-3 PERCENT (g)	4.9%	10.4%	0%	8.1%
TERMINAL (d)	2/28 (7%)	2/9 (22%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	671	---	588

**STATISTICAL TESTS**

POLY 3	P=0.531	P=0.349	P=0.349N	P=0.504
POLY 1.5	P=0.608	P=0.411	P=0.301N	P=0.587
POLY 6	P=0.398	P=0.270	P=0.422N	P=0.388
COCH-ARM / FISHERS	P=0.578N	P=0.500	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.525N	P=0.232	P=0.182N	P=0.342

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung: Alveolar Epithelium  
 Metaplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	14/50 (28%)	22/50 (44%)	22/50 (44%)
POLY-3 RATE (b)	0/40.76	14/33.38	22/34.06	22/34.17
POLY-3 PERCENT (g)	0%	41.9%	64.6%	64.4%
TERMINAL (d)	0/28 (0%)	3/9 (33%)	2/4 (50%)	0/2 (0%)
FIRST INCIDENCE	---	427	367	192

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung: Alveolar Epithelium  
 Metaplasia Bronchiolar**

**LESION RATES**

OVERALL (a)	1/50 (2%)	33/50 (66%)	32/50 (64%)	34/50 (68%)
POLY-3 RATE (b)	1/41.71	33/41.13	32/38.97	34/41.55
POLY-3 PERCENT (g)	2.4%	80.2%	82.1%	81.8%
TERMINAL (d)	0/28 (0%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	176	115	192

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Lung: Alveolus  
 Infiltration Cellular Histiocyte

**LESION RATES**

OVERALL (a)	23/50 (46%)	34/50 (68%)	35/50 (70%)	35/50 (70%)
POLY-3 RATE (b)	23/44.19	34/41.87	35/42.03	35/40.79
POLY-3 PERCENT (g)	52.1%	81.2%	83.3%	85.8%
TERMINAL (d)	14/28 (50%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	380	281	192

**STATISTICAL TESTS**

POLY 3	P=0.002**	P=0.002**	P<0.001**	P<0.001**
POLY 1.5	P=0.008**	P=0.004**	P=0.002**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.062	P=0.021*	P=0.013*	P=0.013*
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lymph Node, Mandibular  
 Atrophy**

**LESION RATES**

OVERALL (a)	5/49 (10%)	1/50 (2%)	0/49 (0%)	7/50 (14%)
POLY-3 RATE (b)	5/43.17	1/28.74	0/25.42	7/27.54
POLY-3 PERCENT (g)	11.6%	3.5%	0%	25.4%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	274	727 (T)	---	192

**STATISTICAL TESTS**

POLY 3	P=0.029*	P=0.226N	P=0.109N	P=0.126
POLY 1.5	P=0.041*	P=0.164N	P=0.068N	P=0.215
POLY 6	P=0.014*	P=0.328N	P=0.189N	P=0.055
COCH-ARM / FISHERS	P=0.056	P=0.098N	P=0.028N*	P=0.394
MAX-ISO-POLY-3	P=0.020*	P=0.161N	P=0.083N	P=0.111

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lymph Node, Mandibular  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	2/49 (4%)	6/50 (12%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/40.33	6/30.00	1/26.20	2/25.24
POLY-3 PERCENT (g)	5%	20%	3.8%	7.9%
TERMINAL (d)	2/28 (7%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	499	438	503

**STATISTICAL TESTS**

POLY 3	P=0.542N	P=0.057	P=0.643N	P=0.516
POLY 1.5	P=0.432N	P=0.085	P=0.588N	P=0.597
POLY 6	P=0.472	P=0.032*	P=0.712	P=0.403
COCH-ARM / FISHERS	P=0.311N	P=0.141	P=0.500N	P=0.684N
MAX-ISO-POLY-3	P=0.394	P=0.042*	P=0.428N	P=0.350

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mandibular  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/40.33	0/28.74	2/26.47	0/24.26
POLY-3 PERCENT (g)	0%	0%	7.6%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	562	---

**STATISTICAL TESTS**

POLY 3	P=0.627	(e)	P=0.158	(e)
POLY 1.5	P=0.708	(e)	P=0.185	(e)
POLY 6	P=0.485	(e)	P=0.128	(e)
COCH-ARM / FISHERS	P=0.672N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.270	(e)	P=0.073	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mandibular  
 Pigmentation**

**LESION RATES**

OVERALL (a)	1/49 (2%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/40.33	0/28.74	0/25.42	2/26.06
POLY-3 PERCENT (g)	2.5%	0%	0%	7.7%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	---	274

**STATISTICAL TESTS**

POLY 3	P=0.155	P=0.566N	P=0.588N	P=0.355
POLY 1.5	P=0.173	P=0.537N	P=0.553N	P=0.419
POLY 6	P=0.125	P=0.605N	P=0.632N	P=0.272
COCH-ARM / FISHERS	P=0.189	P=0.495N	P=0.500N	P=0.508
MAX-ISO-POLY-3	P=0.125	P=0.239N	P=0.264N	P=0.214

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mesenteric  
 Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/48 (2%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	0/40.76	1/28.11	1/26.28	5/26.39
POLY-3 PERCENT (g)	0%	3.6%	3.8%	19%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	617	609	192

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.428	P=0.416	P=0.008**
POLY 1.5	P=0.002**	P=0.454	P=0.449	P=0.015*
POLY 6	P<0.001**	P=0.393	P=0.373	P=0.004**
COCH-ARM / FISHERS	P=0.006**	P=0.490	P=0.500	P=0.028*
MAX-ISO-POLY-3	P=0.002**	P=0.155	P=0.157	P=0.008**

TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Lymph Node, Mesenteric  
Atrophy Lymphoid

---

LESION RATES

OVERALL (a)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/27.72	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mesenteric  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/48 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	2/28.20	2/27.64	0/24.26
POLY-3 PERCENT (g)	0%	7.1%	7.2%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	644	115	---

**STATISTICAL TESTS**

POLY 3	P=0.578N	P=0.165	P=0.163	(e)
POLY 1.5	P=0.485N	P=0.189	P=0.191	(e)
POLY 6	P=0.564	P=0.138	P=0.130	(e)
COCH-ARM / FISHERS	P=0.369N	P=0.237	P=0.247	(e)
MAX-ISO-POLY-3	P=0.311	P=0.072	P=0.074	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mesenteric  
 Pigmentation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	24/48 (50%)	25/50 (50%)	20/50 (40%)
POLY-3 RATE (b)	1/40.76	24/37.11	25/37.83	20/33.52
POLY-3 PERCENT (g)	2.5%	64.7%	66.1%	59.7%
TERMINAL (d)	1/28 (4%)	5/9 (56%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	380	258	365

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.032*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node: Mediastinal Atrophy**

**LESION RATES**

OVERALL (a)	2/38 (5%)	0/28 (0%)	0/29 (0%)	1/41 (2%)
POLY-3 RATE (b)	2/29.94	0/16.82	0/15.32	1/18.45
POLY-3 PERCENT (g)	6.7%	0%	0%	5.4%
TERMINAL (d)	1/18 (6%)	0/8 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	496	---	---	648

**STATISTICAL TESTS**

POLY 3	P=0.638N	P=0.376N	P=0.400N	P=0.658N
POLY 1.5	P=0.617N	P=0.350N	P=0.354N	P=0.583N
POLY 6	P=0.613	P=0.409N	P=0.471N	P=0.662
COCH-ARM / FISHERS	P=0.606N	P=0.328N	P=0.318N	P=0.471N
MAX-ISO-POLY-3	P=0.413N	P=0.190N	P=0.215N	P=0.444N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node: Mediastinal  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/38 (0%)	1/28 (4%)	0/29 (0%)	3/41 (7%)
POLY-3 RATE (b)	0/29.26	1/17.39	0/15.32	3/19.71
POLY-3 PERCENT (g)	0%	5.8%	0%	15.2%
TERMINAL (d)	0/18 (0%)	0/8 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	549	---	443

**STATISTICAL TESTS**

POLY 3	P=0.031*	P=0.398	(e)	P=0.062
POLY 1.5	P=0.045*	P=0.411	(e)	P=0.085
POLY 6	P=0.018*	P=0.381	(e)	P=0.040*
COCH-ARM / FISHERS	P=0.071	P=0.424	(e)	P=0.135
MAX-ISO-POLY-3	P=0.036*	P=0.136	(e)	P=0.036*



TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Mammary Gland  
Galactocele

---

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Mammary Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Mesentery: Fat  
 Necrosis

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.72
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Nose  
 Foreign Body

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	4.9%	0%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.239N	P=0.322N	P=0.349N	P=0.366N
POLY 1.5	P=0.240N	P=0.284N	P=0.301N	P=0.307N
POLY 6	P=0.259N	P=0.380N	P=0.422N	P=0.456N
COCH-ARM / FISHERS	P=0.262N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.185N	P=0.156N	P=0.182N	P=0.197N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Nose  
 Inflammation**

**LESION RATES**

OVERALL (a)	10/50 (20%)	5/50 (10%)	9/50 (18%)	9/50 (18%)
POLY-3 RATE (b)	10/42.97	5/30.68	9/30.59	9/28.82
POLY-3 PERCENT (g)	23.3%	16.3%	29.4%	31.2%
TERMINAL (d)	5/28 (18%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	496	499	307	365

**STATISTICAL TESTS**

POLY 3	P=0.195	P=0.333N	P=0.375	P=0.320
POLY 1.5	P=0.298	P=0.234N	P=0.501	P=0.475
POLY 6	P=0.079	P=0.495N	P=0.222	P=0.153
COCH-ARM / FISHERS	P=0.442	P=0.131N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.294	P=0.266N	P=0.305	P=0.266

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Oral Mucosa: Gingival  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	21/50 (42%)	24/50 (48%)	31/50 (62%)
POLY-3 RATE (b)	2/40.76	21/36.26	24/36.03	31/38.82
POLY-3 PERCENT (g)	4.9%	57.9%	66.6%	79.9%
TERMINAL (d)	2/28 (7%)	3/9 (33%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	486	258	225

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Oral Mucosa: Gingival  
 Hyperplasia Cystic Keratinizing**

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	18/50 (36%)	11/50 (22%)
POLY-3 RATE (b)	0/40.76	4/30.56	18/33.20	11/28.31
POLY-3 PERCENT (g)	0%	13.1%	54.2%	38.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	---	521	448	484

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.031*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.041*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.022*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.008**	P=0.059	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.018*	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Pancreas  
 Atrophy**

**LESION RATES**

OVERALL (a)	4/50 (8%)	13/49 (27%)	10/50 (20%)	10/50 (20%)
POLY-3 RATE (b)	4/40.97	13/33.17	10/30.42	10/27.50
POLY-3 PERCENT (g)	9.8%	39.2%	32.9%	36.4%
TERMINAL (d)	3/28 (11%)	3/9 (33%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	671	380	307	514

**STATISTICAL TESTS**

POLY 3	P=0.044*	P=0.002**	P=0.015*	P=0.008**
POLY 1.5	P=0.123	P=0.005**	P=0.030*	P=0.022*
POLY 6	P=0.006**	P<0.001**	P=0.005**	P=0.002**
COCH-ARM / FISHERS	P=0.328	P=0.014*	P=0.074	P=0.074
MAX-ISO-POLY-3	P=0.027*	P=0.002**	P=0.015*	P=0.011*

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Pancreas  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	7/49 (14%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	1/40.76	7/31.11	7/30.16	3/25.79
POLY-3 PERCENT (g)	2.5%	22.5%	23.2%	11.6%
TERMINAL (d)	1/28 (4%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	467	448	499

**STATISTICAL TESTS**

POLY 3	P=0.331	P=0.010**	P=0.008**	P=0.168
POLY 1.5	P=0.499	P=0.015*	P=0.014*	P=0.218
POLY 6	P=0.134	P=0.005**	P=0.004**	P=0.114
COCH-ARM / FISHERS	P=0.457N	P=0.028*	P=0.030*	P=0.309
MAX-ISO-POLY-3	P=0.083	P=0.007**	P=0.007**	P=0.109

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Pancreas: Acinus  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	8/50 (16%)	2/49 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	8/41.49	2/28.72	2/26.47	0/24.26
POLY-3 PERCENT (g)	19.3%	7%	7.6%	0%
TERMINAL (d)	6/28 (21%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	671	617	---

**STATISTICAL TESTS**

POLY 3	P=0.019N*	P=0.139N	P=0.172N	P=0.033N*
POLY 1.5	P=0.012N*	P=0.092N	P=0.106N	P=0.013N*
POLY 6	P=0.046N*	P=0.228N	P=0.299N	P=0.098N
COCH-ARM / FISHERS	P=0.010N**	P=0.049N*	P=0.046N*	P=0.003N**
MAX-ISO-POLY-3	P=0.031N*	P=0.109N	P=0.141N	P=0.034N*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Pancreas: Acinus  
 Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	0/50 (0%)	16/49 (33%)	30/50 (60%)	13/50 (26%)
POLY-3 RATE (b)	0/40.76	16/34.18	30/39.70	13/29.95
POLY-3 PERCENT (g)	0%	46.8%	75.6%	43.4%
TERMINAL (d)	0/28 (0%)	6/9 (67%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	---	176	38	192

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.011*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.158	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Parathyroid Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	8/43 (19%)	9/48 (19%)	6/44 (14%)	2/44 (5%)
POLY-3 RATE (b)	8/37.23	9/31.01	6/25.67	2/22.66
POLY-3 PERCENT (g)	21.5%	29%	23.4%	8.8%
TERMINAL (d)	2/22 (9%)	2/9 (22%)	1/3 (33%)	0/2 (0%)
FIRST INCIDENCE	420	467	307	503

**STATISTICAL TESTS**

POLY 3	P=0.121N	P=0.332	P=0.551	P=0.191N
POLY 1.5	P=0.059N	P=0.436	P=0.551N	P=0.107N
POLY 6	P=0.311N	P=0.217	P=0.369	P=0.360N
COCH-ARM / FISHERS	P=0.022N*	P=0.611N	P=0.368N	P=0.041N*
MAX-ISO-POLY-3	P=0.186N	P=0.260	P=0.440	P=0.158N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Pituitary Gland  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.11
POLY-3 PERCENT (g)	0%	0%	0%	8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	192

**STATISTICAL TESTS**

POLY 3	P=0.026*	(e)	(e)	P=0.149
POLY 1.5	P=0.031*	(e)	(e)	P=0.180
POLY 6	P=0.020*	(e)	(e)	P=0.114
COCH-ARM / FISHERS	P=0.040*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.072

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Pituitary Gland: Pars Distalis  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	18/50 (36%)	10/50 (20%)	13/50 (26%)	10/49 (20%)
POLY-3 RATE (b)	18/42.15	10/30.43	13/30.22	10/27.62
POLY-3 PERCENT (g)	42.7%	32.9%	43%	36.2%
TERMINAL (d)	14/28 (50%)	5/9 (56%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	549	541	474	503

**STATISTICAL TESTS**

POLY 3	P=0.420N	P=0.270N	P=0.586	P=0.385N
POLY 1.5	P=0.278N	P=0.151N	P=0.433N	P=0.212N
POLY 6	P=0.450	P=0.494N	P=0.369	P=0.547
COCH-ARM / FISHERS	P=0.155N	P=0.059N	P=0.194N	P=0.066N
MAX-ISO-POLY-3	P=0.501N	P=0.227N	P=0.490	P=0.323N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Preputial Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	4/49 (8%)
POLY-3 RATE (b)	2/40.80	3/29.11	1/26.60	4/24.68
POLY-3 PERCENT (g)	4.9%	10.3%	3.8%	16.2%
TERMINAL (d)	1/28 (4%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	717	674	468	650

**STATISTICAL TESTS**

POLY 3	P=0.124	P=0.351	P=0.642N	P=0.148
POLY 1.5	P=0.180	P=0.412	P=0.587N	P=0.215
POLY 6	P=0.061	P=0.274	P=0.712N	P=0.082
COCH-ARM / FISHERS	P=0.257	P=0.500	P=0.500N	P=0.329
MAX-ISO-POLY-3	P=0.150	P=0.233	P=0.427N	P=0.112

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Preputial Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	5/41.48	0/28.74	0/25.86	1/24.66
POLY-3 PERCENT (g)	12.1%	0%	0%	4.1%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	575	---	---	608

**STATISTICAL TESTS**

POLY 3	P=0.208N	P=0.076N	P=0.096N	P=0.269N
POLY 1.5	P=0.198N	P=0.052N	P=0.062N	P=0.186N
POLY 6	P=0.258N	P=0.125N	P=0.169N	P=0.415N
COCH-ARM / FISHERS	P=0.218N	P=0.028N*	P=0.028N*	P=0.107N
MAX-ISO-POLY-3	P=0.085N	P=0.051N	P=0.071N	P=0.197N



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Prostate  
 Inflammation**

**LESION RATES**

OVERALL (a)	13/50 (26%)	12/50 (24%)	7/50 (14%)	16/50 (32%)
POLY-3 RATE (b)	13/44.58	12/32.97	7/29.17	16/31.23
POLY-3 PERCENT (g)	29.2%	36.4%	24%	51.2%
TERMINAL (d)	4/28 (14%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	467	307	192

**STATISTICAL TESTS**

POLY 3	P=0.032*	P=0.335	P=0.416N	P=0.042*
POLY 1.5	P=0.079	P=0.472	P=0.266N	P=0.116
POLY 6	P=0.006**	P=0.192	P=0.582	P=0.008**
COCH-ARM / FISHERS	P=0.181	P=0.500N	P=0.105N	P=0.330
MAX-ISO-POLY-3	P=0.051	P=0.278	P=0.344N	P=0.044*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 06/10/2008  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Prostate: Epithelium  
 Hyperplasia

**LESION RATES**

OVERALL (a)	12/50 (24%)	4/50 (8%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	12/42.17	4/29.19	3/26.20	2/25.08
POLY-3 PERCENT (g)	28.5%	13.7%	11.5%	8%
TERMINAL (d)	7/28 (25%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	496	626	653	585

**STATISTICAL TESTS**

POLY 3	P=0.034N*	P=0.121N	P=0.094N	P=0.051N
POLY 1.5	P=0.019N*	P=0.066N	P=0.042N*	P=0.018N*
POLY 6	P=0.094N	P=0.248N	P=0.233N	P=0.165N
COCH-ARM / FISHERS	P=0.014N*	P=0.027N*	P=0.011N*	P=0.004N**
MAX-ISO-POLY-3	P=0.054N	P=0.105N	P=0.091N	P=0.055N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Salivary Glands**  
**Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	1/28.85	0/25.42	3/25.43
POLY-3 PERCENT (g)	0%	3.5%	0%	11.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	698	---	588

**STATISTICAL TESTS**

POLY 3	P=0.019*	P=0.433	(e)	P=0.057
POLY 1.5	P=0.026*	P=0.461	(e)	P=0.077
POLY 6	P=0.011*	P=0.395	(e)	P=0.038*
COCH-ARM / FISHERS	P=0.041*	P=0.500	(e)	P=0.121
MAX-ISO-POLY-3	P=0.023*	P=0.157	(e)	P=0.035*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Seminal Vesicle  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.54
POLY-3 PERCENT (g)	0%	0%	0%	7.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	225

**STATISTICAL TESTS**

POLY 3	P=0.027*	(e)	(e)	P=0.151
POLY 1.5	P=0.033*	(e)	(e)	P=0.184
POLY 6	P=0.021*	(e)	(e)	P=0.115
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.073

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Seminal Vesicle  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	2/29.32	1/26.25	4/25.54
POLY-3 PERCENT (g)	0%	6.8%	3.8%	15.7%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	602	617	603

**STATISTICAL TESTS**

POLY 3	P=0.014*	P=0.172	P=0.416	P=0.021*
POLY 1.5	P=0.025*	P=0.197	P=0.449	P=0.033*
POLY 6	P=0.006**	P=0.143	P=0.373	P=0.012*
COCH-ARM / FISHERS	P=0.047*	P=0.247	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.020*	P=0.074	P=0.157	P=0.017*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Seminal Vesicle  
 Metaplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	3/25.41
POLY-3 PERCENT (g)	0%	0%	0%	11.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	603

STATISTICAL TESTS

POLY 3	P=0.004**	(e)	(e)	P=0.057
POLY 1.5	P=0.006**	(e)	(e)	P=0.077
POLY 6	P=0.003**	(e)	(e)	P=0.038*
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.007**	(e)	(e)	P=0.035*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Skin  
 Cyst Epithelial Inclusion**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/40.97	3/29.16	2/26.71	4/26.53
POLY-3 PERCENT (g)	4.9%	10.3%	7.5%	15.1%
TERMINAL (d)	1/28 (4%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	635	602	387

**STATISTICAL TESTS**

POLY 3	P=0.145	P=0.350	P=0.531	P=0.168
POLY 1.5	P=0.204	P=0.411	P=0.598	P=0.230
POLY 6	P=0.077	P=0.272	P=0.440	P=0.103
COCH-ARM / FISHERS	P=0.289	P=0.500	P=0.691N	P=0.339
MAX-ISO-POLY-3	P=0.181	P=0.233	P=0.359	P=0.122

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Skin  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.41	0/28.74	1/26.28	0/24.26
POLY-3 PERCENT (g)	4.8%	0%	3.8%	0%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	---	609	---

**STATISTICAL TESTS**

POLY 3	P=0.316N	P=0.326N	P=0.650N	P=0.370N
POLY 1.5	P=0.290N	P=0.287N	P=0.592N	P=0.310N
POLY 6	P=0.375N	P=0.386N	P=0.702	P=0.461N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.270N	P=0.160N	P=0.435N	P=0.201N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Skin  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/41.41	1/28.82	2/27.01	2/25.47
POLY-3 PERCENT (g)	2.4%	3.5%	7.4%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	705	367	500

**STATISTICAL TESTS**

POLY 3	P=0.240	P=0.674	P=0.358	P=0.341
POLY 1.5	P=0.306	P=0.712	P=0.413	P=0.405
POLY 6	P=0.155	P=0.616	P=0.288	P=0.262
COCH-ARM / FISHERS	P=0.395	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.336	P=0.412	P=0.214	P=0.207

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Spleen  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	38/50 (76%)	48/50 (96%)	44/50 (88%)	41/50 (82%)
POLY-3 RATE (b)	38/45.82	48/49.46	44/47.25	41/45.63
POLY-3 PERCENT (g)	82.9%	97%	93.1%	89.9%
TERMINAL (d)	26/28 (93%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	62	38	174

**STATISTICAL TESTS**

POLY 3	P=0.575	P=0.012*	P=0.089	P=0.226
POLY 1.5	P=0.530N	P=0.007**	P=0.079	P=0.258
POLY 6	P=0.440	P=0.021*	P=0.096	P=0.173
COCH-ARM / FISHERS	P=0.399N	P=0.004**	P=0.096	P=0.312
MAX-ISO-POLY-3	P=0.036*	P=0.005**	P=0.046*	P=0.136

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Spleen  
 Pigmentation**

**LESION RATES**

OVERALL (a)	38/50 (76%)	39/50 (78%)	40/50 (80%)	35/50 (70%)
POLY-3 RATE (b)	38/47.03	39/44.19	40/44.78	35/43.11
POLY-3 PERCENT (g)	80.8%	88.3%	89.3%	81.2%
TERMINAL (d)	22/28 (79%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	398	176	115	174

**STATISTICAL TESTS**

POLY 3	P=0.396N	P=0.224	P=0.175	P=0.596
POLY 1.5	P=0.283N	P=0.318	P=0.247	P=0.493N
POLY 6	P=0.576	P=0.130	P=0.101	P=0.405
COCH-ARM / FISHERS	P=0.204N	P=0.500	P=0.405	P=0.326N
MAX-ISO-POLY-3	P=0.345	P=0.147	P=0.110	P=0.479

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Spleen: Lymphoid Follicle Atrophy**

**LESION RATES**

OVERALL (a)	5/50 (10%)	4/50 (8%)	5/50 (10%)	12/50 (24%)
POLY-3 RATE (b)	5/42.74	4/30.91	5/28.98	12/29.66
POLY-3 PERCENT (g)	11.7%	12.9%	17.3%	40.5%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	500	258	365

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.577	P=0.379	P=0.005**
POLY 1.5	P=0.002**	P=0.619N	P=0.480	P=0.013*
POLY 6	P<0.001**	P=0.469	P=0.251	P<0.001**
COCH-ARM / FISHERS	P=0.008**	P=0.500N	P=0.630N	P=0.054
MAX-ISO-POLY-3	P<0.001**	P=0.444	P=0.291	P=0.006**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Stomach, Forestomach  
 Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	1/24.89
POLY-3 PERCENT (g)	0%	0%	0%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	524

STATISTICAL TESTS

POLY 3	P=0.172	(e)	(e)	P=0.406
POLY 1.5	P=0.192	(e)	(e)	P=0.445
POLY 6	P=0.145	(e)	(e)	P=0.356
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.125	(e)	(e)	P=0.157

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Stomach, Forestomach  
 Inflammation**

**LESION RATES**

OVERALL (a)	5/50 (10%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	5/42.41	2/29.69	2/26.49	3/25.63
POLY-3 PERCENT (g)	11.8%	6.7%	7.6%	11.7%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	549	609	503

**STATISTICAL TESTS**

POLY 3	P=0.556	P=0.382N	P=0.441N	P=0.639N
POLY 1.5	P=0.560N	P=0.308N	P=0.344N	P=0.522N
POLY 6	P=0.408	P=0.490N	P=0.575N	P=0.483
COCH-ARM / FISHERS	P=0.485N	P=0.218N	P=0.218N	P=0.357N
MAX-ISO-POLY-3	P=0.568N	P=0.275N	P=0.327N	P=0.496N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Stomach, Forestomach  
 Mineralization**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.61	0/28.74	1/26.25	0/24.26
POLY-3 PERCENT (g)	4.8%	0%	3.8%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	---	617	---

**STATISTICAL TESTS**

POLY 3	P=0.316N	P=0.327N	P=0.651N	P=0.371N
POLY 1.5	P=0.290N	P=0.288N	P=0.594N	P=0.311N
POLY 6	P=0.376N	P=0.387N	P=0.701	P=0.462N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.272N	P=0.161N	P=0.437N	P=0.202N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Forestomach  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/40.76	3/29.91	1/26.60	1/24.81
POLY-3 PERCENT (g)	0%	10%	3.8%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	549	468	560

**STATISTICAL TESTS**

POLY 3	P=0.504	P=0.073	P=0.418	P=0.406
POLY 1.5	P=0.602	P=0.089	P=0.450	P=0.445
POLY 6	P=0.356	P=0.055	P=0.375	P=0.355
COCH-ARM / FISHERS	P=0.592N	P=0.121	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.261	P=0.036*	P=0.157	P=0.157



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	8/50 (16%)	36/50 (72%)	44/50 (88%)	45/50 (90%)
POLY-3 RATE (b)	8/42.59	36/42.16	44/46.11	45/45.77
POLY-3 PERCENT (g)	18.8%	85.4%	95.4%	98.3%
TERMINAL (d)	3/28 (11%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	420	62	115	225

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Glandular  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.15	0/28.74	1/25.93	0/24.26
POLY-3 PERCENT (g)	4.9%	0%	3.9%	0%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	617	---	712	---

**STATISTICAL TESTS**

POLY 3	P=0.315N	P=0.324N	P=0.652N	P=0.368N
POLY 1.5	P=0.290N	P=0.285N	P=0.593N	P=0.309N
POLY 6	P=0.376N	P=0.384N	P=0.696	P=0.459N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.268N	P=0.158N	P=0.437N	P=0.199N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Stomach, Glandular  
 Mineralization**

**LESION RATES**

OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/41.61	2/30.27	2/27.66	1/25.21
POLY-3 PERCENT (g)	7.2%	6.6%	7.2%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	380	307	274

**STATISTICAL TESTS**

POLY 3	P=0.418N	P=0.641N	P=0.674	P=0.496N
POLY 1.5	P=0.346N	P=0.583N	P=0.608N	P=0.412N
POLY 6	P=0.549N	P=0.631	P=0.571	P=0.615N
COCH-ARM / FISHERS	P=0.274N	P=0.500N	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.534N	P=0.466N	P=0.498	P=0.336N

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Testes  
 Necrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	2/29.69	1/26.80	3/26.29
POLY-3 PERCENT (g)	0%	6.7%	3.7%	11.4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	549	295	365

**STATISTICAL TESTS**

POLY 3	P=0.058	P=0.174	P=0.419	P=0.060
POLY 1.5	P=0.085	P=0.198	P=0.452	P=0.080
POLY 6	P=0.031*	P=0.146	P=0.376	P=0.040*
COCH-ARM / FISHERS	P=0.133	P=0.247	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.059	P=0.074	P=0.157	P=0.035*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Testes: Germinal Epithelium  
 Degeneration

**LESION RATES**

OVERALL (a)	15/50 (30%)	16/50 (32%)	18/50 (36%)	21/50 (42%)
POLY-3 RATE (b)	15/43.46	16/33.01	18/33.49	21/33.58
POLY-3 PERCENT (g)	34.5%	48.5%	53.8%	62.5%
TERMINAL (d)	8/28 (29%)	4/9 (44%)	2/4 (50%)	2/2 (100%)
FIRST INCIDENCE	420	500	295	192

**STATISTICAL TESTS**

POLY 3	P=0.010**	P=0.156	P=0.067	P=0.010**
POLY 1.5	P=0.034*	P=0.272	P=0.138	P=0.034*
POLY 6	P<0.001**	P=0.066	P=0.020*	P<0.001**
COCH-ARM / FISHERS	P=0.116	P=0.500	P=0.335	P=0.149
MAX-ISO-POLY-3	P=0.013*	P=0.133	P=0.060	P=0.011*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Testes: Germinal Epithelium  
 Mineralization

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	3/41.85	3/30.00	3/27.58	4/26.62
POLY-3 PERCENT (g)	7.2%	10%	10.9%	15%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	420	549	295	274

**STATISTICAL TESTS**

POLY 3	P=0.220	P=0.502	P=0.461	P=0.271
POLY 1.5	P=0.306	P=0.569	P=0.544	P=0.364
POLY 6	P=0.113	P=0.413	P=0.350	P=0.164
COCH-ARM / FISHERS	P=0.413	P=0.661N	P=0.661N	P=0.500
MAX-ISO-POLY-3	P=0.311	P=0.358	P=0.331	P=0.201

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Thymus  
 Atrophy**

**LESION RATES**

OVERALL (a)	45/48 (94%)	47/48 (98%)	44/46 (96%)	47/48 (98%)
POLY-3 RATE (b)	45/47.05	47/47.00	44/44.49	47/47.15
POLY-3 PERCENT (g)	95.6%	100%	98.9%	99.7%
TERMINAL (d)	24/26 (92%)	8/8 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	398	176	115	174

**STATISTICAL TESTS**

POLY 3	P=0.305	P=0.226	P=0.370	P=0.260
POLY 1.5	P=0.362	P=0.198	P=0.391	P=0.282
POLY 6	P=0.265	P=0.237	P=0.312	P=0.242
COCH-ARM / FISHERS	P=0.346	P=0.308	P=0.520	P=0.308
MAX-ISO-POLY-3	P=0.059	P=0.071	P=0.162	P=0.089

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Thyroid Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	9/50 (18%)	14/50 (28%)
POLY-3 RATE (b)	0/40.76	3/29.90	9/29.07	14/30.90
POLY-3 PERCENT (g)	0%	10%	31%	45.3%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	---	332	281	274

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.073	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.090	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.054	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.036*	P<0.001**	P<0.001**

---



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Thyroid Gland: C-Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	7/50 (14%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	7/41.29	1/28.88	2/26.67	1/24.49
POLY-3 PERCENT (g)	17%	3.5%	7.5%	4.1%
TERMINAL (d)	6/28 (21%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	567	690	474	668

**STATISTICAL TESTS**

POLY 3	P=0.114N	P=0.089N	P=0.233N	P=0.136N
POLY 1.5	P=0.088N	P=0.058N	P=0.157N	P=0.075N
POLY 6	P=0.190N	P=0.155N	P=0.369N	P=0.272N
COCH-ARM / FISHERS	P=0.076N	P=0.030N*	P=0.080N	P=0.030N*
MAX-ISO-POLY-3	P=0.122N	P=0.068N	P=0.181N	P=0.113N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Thyroid Gland: Follicular Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	10/50 (20%)	12/50 (24%)
POLY-3 RATE (b)	0/40.76	2/29.00	10/29.42	12/29.86
POLY-3 PERCENT (g)	0%	6.9%	34%	40.2%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	---	657	281	274

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.170	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.196	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.140	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.074	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Thyroid Gland: Follicular Cell Hypertrophy**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	2/40.93	2/30.07	6/28.91	6/26.21
POLY-3 PERCENT (g)	4.9%	6.7%	20.8%	22.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	694	332	38	539

**STATISTICAL TESTS**

POLY 3	P=0.017*	P=0.578	P=0.049*	P=0.036*
POLY 1.5	P=0.036*	P=0.629	P=0.075	P=0.065
POLY 6	P=0.004**	P=0.503	P=0.026*	P=0.015*
COCH-ARM / FISHERS	P=0.086	P=0.691N	P=0.134	P=0.134
MAX-ISO-POLY-3	P=0.027*	P=0.391	P=0.039*	P=0.034*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Tooth: Peridental Tissue  
 Inflammation

**LESION RATES**

OVERALL (a)	11/50 (22%)	12/50 (24%)	19/50 (38%)	16/50 (32%)
POLY-3 RATE (b)	11/41.49	12/33.92	19/33.20	16/31.72
POLY-3 PERCENT (g)	26.5%	35.4%	57.2%	50.5%
TERMINAL (d)	9/28 (32%)	0/9 (0%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	513	471	448	225

**STATISTICAL TESTS**

POLY 3	P=0.023*	P=0.279	P=0.005**	P=0.027*
POLY 1.5	P=0.064	P=0.361	P=0.013*	P=0.066
POLY 6	P=0.004**	P=0.186	P<0.001**	P=0.007**
COCH-ARM / FISHERS	P=0.185	P=0.500	P=0.063	P=0.184
MAX-ISO-POLY-3	P=0.019*	P=0.222	P=0.005**	P=0.026*

TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Ureter: Transitional Epithelium  
Hyperplasia

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LESION RATES

OVERALL (a)	0/41 (0%)	0/31 (0%)	0/42 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/33.21	0/18.43	0/21.86	3/25.26
POLY-3 PERCENT (g)	0%	0%	0%	11.9%
TERMINAL (d)	0/22 (0%)	0/6 (0%)	0/3 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	603

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STATISTICAL TESTS

POLY 3	P=0.010**	(e)	(e)	P=0.077
POLY 1.5	P=0.013*	(e)	(e)	P=0.104
POLY 6	P=0.006**	(e)	(e)	P=0.051
COCH-ARM / FISHERS	P=0.019*	(e)	(e)	P=0.157
MAX-ISO-POLY-3	P=0.016*	(e)	(e)	P=0.041*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Urethra: Transitional Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.20
POLY-3 PERCENT (g)	0%	0%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	514

**STATISTICAL TESTS**

POLY 3	P=0.027*	(e)	(e)	P=0.150
POLY 1.5	P=0.032*	(e)	(e)	P=0.182
POLY 6	P=0.021*	(e)	(e)	P=0.115
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.073

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Urinary Bladder  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/40.87	1/28.95	2/26.51	0/24.26
POLY-3 PERCENT (g)	2.5%	3.5%	7.5%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	700	671	617	---

**STATISTICAL TESTS**

POLY 3	P=0.475N	P=0.678	P=0.356	P=0.598N
POLY 1.5	P=0.404N	P=0.715	P=0.411	P=0.557N
POLY 6	P=0.592N	P=0.623	P=0.288	P=0.651N
COCH-ARM / FISHERS	P=0.325N	P=0.753N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.381N	P=0.416	P=0.213	P=0.276N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Adrenal Cortex  
 Degeneration**

**LESION RATES**

OVERALL (a)	13/50 (26%)	12/50 (24%)	17/50 (34%)	16/49 (33%)
POLY-3 RATE (b)	13/40.42	12/39.49	17/40.63	16/39.80
POLY-3 PERCENT (g)	32.2%	30.4%	41.8%	40.2%
TERMINAL (d)	7/25 (28%)	10/30 (33%)	7/19 (37%)	7/17 (41%)
FIRST INCIDENCE	587	460	273	551

**STATISTICAL TESTS**

POLY 3	P=0.231	P=0.528N	P=0.246	P=0.299
POLY 1.5	P=0.245	P=0.529N	P=0.254	P=0.310
POLY 6	P=0.197	P=0.515N	P=0.226	P=0.271
COCH-ARM / FISHERS	P=0.230	P=0.500N	P=0.257	P=0.306
MAX-ISO-POLY-3	P=0.288	P=0.430N	P=0.179	P=0.223



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Adrenal Cortex  
 Hypertrophy**

**LESION RATES**

OVERALL (a)	41/50 (82%)	31/50 (62%)	30/50 (60%)	30/49 (61%)
POLY-3 RATE (b)	41/45.44	31/41.66	30/41.67	30/41.79
POLY-3 PERCENT (g)	90.2%	74.4%	72%	71.8%
TERMINAL (d)	23/25 (92%)	24/30 (80%)	16/19 (84%)	14/17 (82%)
FIRST INCIDENCE	483	460	525	551

**STATISTICAL TESTS**

POLY 3	P=0.064N	P=0.032N*	P=0.015N*	P=0.014N*
POLY 1.5	P=0.059N	P=0.025N*	P=0.011N*	P=0.011N*
POLY 6	P=0.103N	P=0.047N*	P=0.032N*	P=0.030N*
COCH-ARM / FISHERS	P=0.100N	P=0.022N*	P=0.013N*	P=0.019N*
MAX-ISO-POLY-3	P=0.020N*	P=0.019N*	P=0.008N**	P=0.007N**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Adrenal Cortex  
 Necrosis**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	7/50 (14%)	5/49 (10%)
POLY-3 RATE (b)	1/39.25	0/38.12	7/39.98	5/40.52
POLY-3 PERCENT (g)	2.6%	0%	17.5%	12.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	614	---	439	401

**STATISTICAL TESTS**

POLY 3	P=0.059	P=0.506N	P=0.030*	P=0.107
POLY 1.5	P=0.057	P=0.506N	P=0.030*	P=0.105
POLY 6	P=0.054	P=0.502N	P=0.029*	P=0.105
COCH-ARM / FISHERS	P=0.049*	P=0.500N	P=0.030*	P=0.098
MAX-ISO-POLY-3	P=0.021*	P=0.165N	P=0.012*	P=0.050*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Adrenal Cortex  
 Vacuolization Cytoplasmic**

**LESION RATES**

OVERALL (a)	7/50 (14%)	16/50 (32%)	13/50 (26%)	15/49 (31%)
POLY-3 RATE (b)	7/39.79	16/39.83	13/38.62	15/40.15
POLY-3 PERCENT (g)	17.6%	40.2%	33.7%	37.4%
TERMINAL (d)	4/25 (16%)	12/30 (40%)	7/19 (37%)	6/17 (35%)
FIRST INCIDENCE	587	510	460	467

**STATISTICAL TESTS**

POLY 3	P=0.161	P=0.021*	P=0.080	P=0.037*
POLY 1.5	P=0.165	P=0.020*	P=0.090	P=0.039*
POLY 6	P=0.143	P=0.024*	P=0.066	P=0.033*
COCH-ARM / FISHERS	P=0.151	P=0.028*	P=0.105	P=0.040*
MAX-ISO-POLY-3	P=0.042*	P=0.011*	P=0.050*	P=0.022*

TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Adrenal Cortex: Zona Fasciculata  
Hyperplasia

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LESION RATES

OVERALL (a)	14/50 (28%)	20/50 (40%)	25/50 (50%)	21/49 (43%)
POLY-3 RATE (b)	14/39.99	20/40.38	25/40.93	21/39.21
POLY-3 PERCENT (g)	35%	49.5%	61.1%	53.6%
TERMINAL (d)	10/25 (40%)	14/30 (47%)	12/19 (63%)	12/17 (71%)
FIRST INCIDENCE	587	510	525	616

STATISTICAL TESTS

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POLY 3	P=0.146	P=0.131	P=0.012*	P=0.066
POLY 1.5	P=0.177	P=0.124	P=0.013*	P=0.079
POLY 6	P=0.094	P=0.159	P=0.011*	P=0.047*
COCH-ARM / FISHERS	P=0.185	P=0.146	P=0.020*	P=0.091
MAX-ISO-POLY-3	P=0.030*	P=0.089	P=0.007**	P=0.041*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Adrenal Medulla  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	11/50 (22%)	5/50 (10%)	3/50 (6%)	6/49 (12%)
POLY-3 RATE (b)	11/39.28	5/38.12	3/36.72	6/38.67
POLY-3 PERCENT (g)	28%	13.1%	8.2%	15.5%
TERMINAL (d)	9/25 (36%)	5/30 (17%)	3/19 (16%)	2/17 (12%)
FIRST INCIDENCE	660	727 (T)	727 (T)	558

**STATISTICAL TESTS**

POLY 3	P=0.279N	P=0.087N	P=0.023N*	P=0.141N
POLY 1.5	P=0.280N	P=0.090N	P=0.021N*	P=0.142N
POLY 6	P=0.293N	P=0.078N	P=0.028N*	P=0.147N
COCH-ARM / FISHERS	P=0.307N	P=0.086N	P=0.020N*	P=0.154N
MAX-ISO-POLY-3	P=0.039N*	P=0.052N	P=0.013N*	P=0.088N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Blood Vessel  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	10/50 (20%)	14/50 (28%)	16/50 (32%)
POLY-3 RATE (b)	1/39.82	10/38.21	14/38.92	16/40.15
POLY-3 PERCENT (g)	2.5%	26.2%	36%	39.9%
TERMINAL (d)	0/25 (0%)	9/30 (30%)	6/19 (32%)	9/17 (53%)
FIRST INCIDENCE	232	705	525	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.003**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.004**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Blood Vessel  
 Mineralization**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/39.93	1/38.87	2/37.39	1/37.97
POLY-3 PERCENT (g)	5%	2.6%	5.4%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	372	460	597	679

**STATISTICAL TESTS**

POLY 3	P=0.491N	P=0.509N	P=0.671	P=0.518N
POLY 1.5	P=0.482N	P=0.511N	P=0.680	P=0.509N
POLY 6	P=0.512N	P=0.501N	P=0.658	P=0.532N
COCH-ARM / FISHERS	P=0.479N	P=0.500N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.478N	P=0.290N	P=0.473	P=0.299N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Bone Marrow  
 Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/37.92
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	693

**STATISTICAL TESTS**

POLY 3	P=0.218	(e)	(e)	P=0.495
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.212	(e)	(e)	P=0.489
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Bone Marrow  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	36/50 (72%)	41/50 (82%)	40/50 (80%)	45/50 (90%)
POLY-3 RATE (b)	36/48.91	41/48.75	40/45.74	45/47.86
POLY-3 PERCENT (g)	73.6%	84.1%	87.5%	94%
TERMINAL (d)	15/25 (60%)	23/30 (77%)	16/19 (84%)	17/17 (100%)
FIRST INCIDENCE	232	153	273	314

**STATISTICAL TESTS**

POLY 3	P=0.007**	P=0.150	P=0.068	P=0.005**
POLY 1.5	P=0.013*	P=0.155	P=0.112	P=0.008**
POLY 6	P=0.003**	P=0.149	P=0.038*	P=0.002**
COCH-ARM / FISHERS	P=0.031*	P=0.171	P=0.241	P=0.020*
MAX-ISO-POLY-3	P=0.003**	P=0.100	P=0.043*	P=0.002**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Brain  
 Gliosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Brain  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	2/37.99	0/37.78
POLY-3 PERCENT (g)	0%	0%	5.3%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	439	---

**STATISTICAL TESTS**

POLY 3	P=0.683N	(e)	P=0.231	(e)
POLY 1.5	P=0.677N	(e)	P=0.234	(e)
POLY 6	P=0.699N	(e)	P=0.226	(e)
COCH-ARM / FISHERS	P=0.675N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.254	(e)	P=0.075	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Brain  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/37.78
POLY-3 PERCENT (g)	0%	0%	0%	2.7%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	---	---	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.218	(e)	(e)	P=0.494
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.210	(e)	(e)	P=0.487
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Clitoral Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	5/50 (10%)	1/50 (2%)	6/50 (12%)	0/50 (0%)
POLY-3 RATE (b)	5/40.11	1/38.12	6/37.59	0/37.78
POLY-3 PERCENT (g)	12.5%	2.6%	16%	0%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	4/19 (21%)	0/17 (0%)
FIRST INCIDENCE	540	727 (T)	587	---

**STATISTICAL TESTS**

POLY 3	P=0.069N	P=0.111N	P=0.454	P=0.035N*
POLY 1.5	P=0.064N	P=0.110N	P=0.475	P=0.032N*
POLY 6	P=0.083N	P=0.110N	P=0.419	P=0.040N*
COCH-ARM / FISHERS	P=0.069N	P=0.102N	P=0.500	P=0.028N*
MAX-ISO-POLY-3	P=0.033N*	P=0.054N	P=0.334	P=0.013N*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Clitoral Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	1/38.12	3/37.41	0/37.78
POLY-3 PERCENT (g)	0%	2.6%	8%	0%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	587	---

**STATISTICAL TESTS**

POLY 3	P=0.486N	P=0.496	P=0.111	(e)
POLY 1.5	P=0.476N	P=0.495	P=0.114	(e)
POLY 6	P=0.506N	P=0.502	P=0.106	(e)
COCH-ARM / FISHERS	P=0.474N	P=0.500	P=0.121	(e)
MAX-ISO-POLY-3	P=0.224	P=0.158	P=0.037*	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Clitoral Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/40.22	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	7.5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	504	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.138N	P=0.128N	P=0.135N	P=0.129N
POLY 1.5	P=0.138N	P=0.126N	P=0.128N	P=0.124N
POLY 6	P=0.141N	P=0.126N	P=0.147N	P=0.139N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.015N*	P=0.046N*	P=0.052N	P=0.047N*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Coagulating Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Eye: Anterior Chamber  
 Inflammation

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/37.19	0/37.78
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	587	---

**STATISTICAL TESTS**

POLY 3	P=0.782N	(e)	P=0.491	(e)
POLY 1.5	P=0.779N	(e)	P=0.495	(e)
POLY 6	P=0.790N	(e)	P=0.485	(e)
COCH-ARM / FISHERS	P=0.779N	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.386	(e)	P=0.158	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Eye: Cornea  
 Inflammation

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/39.19	0/38.12	0/36.72	2/38.02
POLY-3 PERCENT (g)	5.1%	0%	0%	5.3%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	636	---	---	671

**STATISTICAL TESTS**

POLY 3	P=0.374	P=0.243N	P=0.251N	P=0.684
POLY 1.5	P=0.378	P=0.243N	P=0.245N	P=0.690
POLY 6	P=0.361	P=0.238N	P=0.263N	P=0.672
COCH-ARM / FISHERS	P=0.373	P=0.247N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.275	P=0.081N	P=0.090N	P=0.487

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Eye: Retina  
 Degeneration

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/38.86	0/38.12	4/37.34	1/37.78
POLY-3 PERCENT (g)	2.6%	0%	10.7%	2.7%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	3/19 (16%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	---	525	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.594	P=0.504N	P=0.165	P=0.755
POLY 1.5	P=0.606	P=0.505N	P=0.171	P=0.758
POLY 6	P=0.564	P=0.498N	P=0.154	P=0.748
COCH-ARM / FISHERS	P=0.605	P=0.500N	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.185	P=0.163N	P=0.079	P=0.491

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Heart  
 Cardiomyopathy**

**LESION RATES**

OVERALL (a)	12/50 (24%)	16/50 (32%)	13/49 (27%)	24/49 (49%)
POLY-3 RATE (b)	12/39.95	16/38.81	13/40.40	24/44.73
POLY-3 PERCENT (g)	30%	41.2%	32.2%	53.7%
TERMINAL (d)	9/25 (36%)	13/30 (43%)	2/19 (11%)	6/17 (35%)
FIRST INCIDENCE	372	544	540	378

**STATISTICAL TESTS**

POLY 3	P=0.015*	P=0.206	P=0.514	P=0.020*
POLY 1.5	P=0.010**	P=0.209	P=0.493	P=0.014*
POLY 6	P=0.021*	P=0.228	P=0.545	P=0.028*
COCH-ARM / FISHERS	P=0.005**	P=0.252	P=0.477	P=0.009**
MAX-ISO-POLY-3	P=0.022*	P=0.147	P=0.416	P=0.015*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Heart  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.90	1/37.85
POLY-3 PERCENT (g)	0%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	634	689

**STATISTICAL TESTS**

POLY 3	P=0.321	(e)	P=0.490	P=0.495
POLY 1.5	P=0.326	(e)	P=0.493	P=0.497
POLY 6	P=0.307	(e)	P=0.484	P=0.489
COCH-ARM / FISHERS	P=0.320	(e)	P=0.495	P=0.495
MAX-ISO-POLY-3	P=0.250	(e)	P=0.157	P=0.157

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Heart  
 Mineralization**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/37.01	0/37.70
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	597	---

**STATISTICAL TESTS**

POLY 3	P=0.782N	(e)	P=0.490	(e)
POLY 1.5	P=0.780N	(e)	P=0.493	(e)
POLY 6	P=0.789N	(e)	P=0.484	(e)
COCH-ARM / FISHERS	P=0.782N	(e)	P=0.495	(e)
MAX-ISO-POLY-3	P=0.384	(e)	P=0.157	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Heart  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.90	1/37.85
POLY-3 PERCENT (g)	0%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	634	689

**STATISTICAL TESTS**

POLY 3	P=0.321	(e)	P=0.490	P=0.495
POLY 1.5	P=0.326	(e)	P=0.493	P=0.497
POLY 6	P=0.307	(e)	P=0.484	P=0.489
COCH-ARM / FISHERS	P=0.320	(e)	P=0.495	P=0.495
MAX-ISO-POLY-3	P=0.250	(e)	P=0.157	P=0.157

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Heart  
 Thrombosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	3/49 (6%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.90	3/38.45
POLY-3 PERCENT (g)	0%	0%	2.7%	7.8%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	634	590

**STATISTICAL TESTS**

POLY 3	P=0.021*	(e)	P=0.490	P=0.116
POLY 1.5	P=0.022*	(e)	P=0.493	P=0.117
POLY 6	P=0.020*	(e)	P=0.484	P=0.112
COCH-ARM / FISHERS	P=0.021*	(e)	P=0.495	P=0.117
MAX-ISO-POLY-3	P=0.024*	(e)	P=0.157	P=0.037*



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Heart: Endocardium  
 Hyperplasia

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/39.45	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	5.1%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	540	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.257N	P=0.244N	P=0.254N	P=0.247N
POLY 1.5	P=0.257N	P=0.244N	P=0.248N	P=0.243N
POLY 6	P=0.261N	P=0.239N	P=0.265N	P=0.256N
COCH-ARM / FISHERS	P=0.265N	P=0.247N	P=0.253N	P=0.253N
MAX-ISO-POLY-3	P=0.042N*	P=0.083N	P=0.091N	P=0.084N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Intestine Large, Colon  
 Parasite Metazoan**

**LESION RATES**

OVERALL (a)	6/50 (12%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	6/40.52	2/39.43	0/36.72	3/37.78
POLY-3 PERCENT (g)	14.8%	5.1%	0%	7.9%
TERMINAL (d)	3/25 (12%)	0/30 (0%)	0/19 (0%)	3/17 (18%)
FIRST INCIDENCE	372	460	---	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.413N	P=0.139N	P=0.020N*	P=0.275N
POLY 1.5	P=0.403N	P=0.142N	P=0.018N*	P=0.259N
POLY 6	P=0.437N	P=0.130N	P=0.024N*	P=0.303N
COCH-ARM / FISHERS	P=0.406N	P=0.134N	P=0.013N*	P=0.243N
MAX-ISO-POLY-3	P=0.055N	P=0.075N	P=0.009N**	P=0.178N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Accumulation, Hyaline Droplet**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	2/38.12	0/36.72	0/37.70
POLY-3 PERCENT (g)	0%	5.3%	0%	0%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.398N	P=0.232	(e)	(e)
POLY 1.5	P=0.398N	P=0.231	(e)	(e)
POLY 6	P=0.397N	P=0.238	(e)	(e)
COCH-ARM / FISHERS	P=0.397N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.258N	P=0.075	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Casts**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/39.82	0/38.12	0/36.72	2/38.50
POLY-3 PERCENT (g)	2.5%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	232	---	---	523

**STATISTICAL TESTS**

POLY 3	P=0.185	P=0.509N	P=0.516N	P=0.488
POLY 1.5	P=0.186	P=0.509N	P=0.510N	P=0.491
POLY 6	P=0.178	P=0.504N	P=0.526N	P=0.480
COCH-ARM / FISHERS	P=0.181	P=0.500N	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.134	P=0.169N	P=0.178N	P=0.272

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Infarct**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	4/50 (8%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	1/39.05	4/38.14	2/38.54
POLY-3 PERCENT (g)	0%	2.6%	10.5%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	309	597	401

**STATISTICAL TESTS**

POLY 3	P=0.306	P=0.501	P=0.057	P=0.235
POLY 1.5	P=0.312	P=0.498	P=0.058	P=0.236
POLY 6	P=0.284	P=0.508	P=0.055	P=0.229
COCH-ARM / FISHERS	P=0.302	P=0.500	P=0.059	P=0.242
MAX-ISO-POLY-3	P=0.076	P=0.159	P=0.019*	P=0.074

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Inflammation Diffuse**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	1/39.05	3/37.55	2/38.69
POLY-3 PERCENT (g)	0%	2.6%	8%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	309	597	401

**STATISTICAL TESTS**

POLY 3	P=0.277	P=0.501	P=0.111	P=0.235
POLY 1.5	P=0.281	P=0.498	P=0.114	P=0.236
POLY 6	P=0.261	P=0.508	P=0.107	P=0.230
COCH-ARM / FISHERS	P=0.272	P=0.500	P=0.121	P=0.242
MAX-ISO-POLY-3	P=0.108	P=0.159	P=0.037*	P=0.075

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney  
 Mineralization**

**LESION RATES**

OVERALL (a)	36/50 (72%)	32/50 (64%)	28/50 (56%)	29/49 (59%)
POLY-3 RATE (b)	36/45.52	32/44.51	28/43.15	29/44.46
POLY-3 PERCENT (g)	79.1%	71.9%	64.9%	65.2%
TERMINAL (d)	19/25 (76%)	21/30 (70%)	12/19 (63%)	7/17 (41%)
FIRST INCIDENCE	372	271	439	481

**STATISTICAL TESTS**

POLY 3	P=0.125N	P=0.282N	P=0.090N	P=0.097N
POLY 1.5	P=0.138N	P=0.291N	P=0.083N	P=0.106N
POLY 6	P=0.116N	P=0.255N	P=0.102N	P=0.086N
COCH-ARM / FISHERS	P=0.183N	P=0.260N	P=0.072N	P=0.129N
MAX-ISO-POLY-3	P=0.100N	P=0.205N	P=0.060N	P=0.062N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	30/50 (60%)	39/50 (78%)	39/50 (78%)	42/49 (86%)
POLY-3 RATE (b)	30/42.14	39/44.66	39/44.79	42/46.10
POLY-3 PERCENT (g)	71.2%	87.3%	87.1%	91.1%
TERMINAL (d)	21/25 (84%)	28/30 (93%)	19/19 (100%)	17/17 (100%)
FIRST INCIDENCE	372	271	273	378

**STATISTICAL TESTS**

POLY 3	P=0.027*	P=0.035*	P=0.036*	P=0.007**
POLY 1.5	P=0.019*	P=0.031*	P=0.036*	P=0.004**
POLY 6	P=0.047*	P=0.054	P=0.036*	P=0.015*
COCH-ARM / FISHERS	P=0.013*	P=0.041*	P=0.041*	P=0.004**
MAX-ISO-POLY-3	P=0.004**	P=0.020*	P=0.021*	P=0.004**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney: Cortex  
 Cyst**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.72	1/37.70
POLY-3 PERCENT (g)	0%	2.6%	0%	2.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	---	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.457	P=0.496	(e)	P=0.494
POLY 1.5	P=0.460	P=0.495	(e)	P=0.496
POLY 6	P=0.449	P=0.502	(e)	P=0.487
COCH-ARM / FISHERS	P=0.459	P=0.500	(e)	P=0.495
MAX-ISO-POLY-3	P=0.254	P=0.158	(e)	P=0.157

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney: Papilla  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.76	2/38.05
POLY-3 PERCENT (g)	0%	0%	2.7%	5.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	---	716	632

**STATISTICAL TESTS**

POLY 3	P=0.087	(e)	P=0.489	P=0.232
POLY 1.5	P=0.089	(e)	P=0.494	P=0.234
POLY 6	P=0.081	(e)	P=0.481	P=0.226
COCH-ARM / FISHERS	P=0.087	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.077	(e)	P=0.158	P=0.074

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Kidney: Pelvis  
 Dilatation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	2/37.50	1/38.05
POLY-3 PERCENT (g)	0%	0%	5.3%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	597	632

STATISTICAL TESTS

POLY 3	P=0.379	(e)	P=0.229	P=0.496
POLY 1.5	P=0.384	(e)	P=0.232	P=0.497
POLY 6	P=0.362	(e)	P=0.223	P=0.491
COCH-ARM / FISHERS	P=0.377	(e)	P=0.247	P=0.495
MAX-ISO-POLY-3	P=0.169	(e)	P=0.075	P=0.157

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Kidney: Pelvis  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/38.86	2/38.59	1/36.72	2/38.54
POLY-3 PERCENT (g)	2.6%	5.2%	2.7%	5.2%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	589	727 (T)	401

**STATISTICAL TESTS**

POLY 3	P=0.478	P=0.498	P=0.749	P=0.497
POLY 1.5	P=0.480	P=0.493	P=0.754	P=0.499
POLY 6	P=0.464	P=0.511	P=0.739	P=0.488
COCH-ARM / FISHERS	P=0.470	P=0.500	P=0.753N	P=0.492
MAX-ISO-POLY-3	P=0.445	P=0.278	P=0.484	P=0.277

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TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Kidney: Pelvis, Transitional Epithelium  
Hyperplasia

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LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	3/49 (6%)
POLY-3 RATE (b)	1/38.86	1/38.12	2/37.10	3/37.79
POLY-3 PERCENT (g)	2.6%	2.6%	5.4%	7.9%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	0/19 (0%)	2/17 (12%)
FIRST INCIDENCE	727 (T)	727 (T)	634	705

STATISTICAL TESTS

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POLY 3	P=0.180	P=0.757	P=0.484	P=0.294
POLY 1.5	P=0.186	P=0.755	P=0.491	P=0.299
POLY 6	P=0.166	P=0.759N	P=0.472	P=0.283
COCH-ARM / FISHERS	P=0.181	P=0.753N	P=0.500	P=0.301
MAX-ISO-POLY-3	P=0.215	P=0.494	P=0.270	P=0.147

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Kidney: Renal Tubule  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	3/49 (6%)
POLY-3 RATE (b)	0/38.86	0/38.12	3/38.00	3/38.75
POLY-3 PERCENT (g)	0%	0%	7.9%	7.7%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	580	481

**STATISTICAL TESTS**

POLY 3	P=0.060	(e)	P=0.114	P=0.117
POLY 1.5	P=0.061	(e)	P=0.116	P=0.118
POLY 6	P=0.055	(e)	P=0.110	P=0.114
COCH-ARM / FISHERS	P=0.059	(e)	P=0.121	P=0.117
MAX-ISO-POLY-3	P=0.058	(e)	P=0.037*	P=0.038*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Angiectasis

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	3/49 (6%)	5/49 (10%)
POLY-3 RATE (b)	0/38.86	4/38.87	3/36.82	5/38.20
POLY-3 PERCENT (g)	0%	10.3%	8.2%	13.1%
TERMINAL (d)	0/25 (0%)	3/30 (10%)	2/19 (11%)	3/17 (18%)
FIRST INCIDENCE	---	460	659	630

**STATISTICAL TESTS**

POLY 3	P=0.084	P=0.059	P=0.108	P=0.028*
POLY 1.5	P=0.087	P=0.058	P=0.111	P=0.029*
POLY 6	P=0.076	P=0.063	P=0.102	P=0.026*
COCH-ARM / FISHERS	P=0.086	P=0.059	P=0.117	P=0.027*
MAX-ISO-POLY-3	P=0.025*	P=0.019*	P=0.036*	P=0.009**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	14/50 (28%)	10/50 (20%)	9/49 (18%)	7/49 (14%)
POLY-3 RATE (b)	14/40.22	10/40.25	9/38.52	7/38.69
POLY-3 PERCENT (g)	34.8%	24.9%	23.4%	18.1%
TERMINAL (d)	9/25 (36%)	6/30 (20%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	548	510	593	608

**STATISTICAL TESTS**

POLY 3	P=0.097N	P=0.229N	P=0.188N	P=0.072N
POLY 1.5	P=0.091N	P=0.246N	P=0.186N	P=0.071N
POLY 6	P=0.118N	P=0.196N	P=0.198N	P=0.080N
COCH-ARM / FISHERS	P=0.099N	P=0.241N	P=0.185N	P=0.077N
MAX-ISO-POLY-3	P=0.071N	P=0.162N	P=0.132N	P=0.044N*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Cholangiofibrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	11/49 (22%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.56	11/39.45
POLY-3 PERCENT (g)	0%	2.6%	0%	27.9%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	4/17 (24%)
FIRST INCIDENCE	---	727 (T)	---	608

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.496	(e)	P<0.001**
POLY 1.5	P<0.001**	P=0.495	(e)	P<0.001**
POLY 6	P<0.001**	P=0.502	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	(e)	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	13/50 (26%)	22/50 (44%)	9/49 (18%)	7/49 (14%)
POLY-3 RATE (b)	13/39.33	22/38.67	9/36.56	7/37.70
POLY-3 PERCENT (g)	33.1%	56.9%	24.6%	18.6%
TERMINAL (d)	12/25 (48%)	21/30 (70%)	9/19 (47%)	7/17 (41%)
FIRST INCIDENCE	587	560	727 (T)	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.006N**	P=0.023*	P=0.285N	P=0.112N
POLY 1.5	P=0.007N**	P=0.026*	P=0.267N	P=0.108N
POLY 6	P=0.007N**	P=0.025*	P=0.328N	P=0.126N
COCH-ARM / FISHERS	P=0.012N*	P=0.046*	P=0.251N	P=0.115N
MAX-ISO-POLY-3	P=0.008N**	P=0.013*	P=0.212N	P=0.072N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Degeneration Cystic

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	3/49 (6%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	2/38.12	3/36.61	0/37.70
POLY-3 PERCENT (g)	0%	5.3%	8.2%	0%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	716	---

**STATISTICAL TESTS**

POLY 3	P=0.372N	P=0.232	P=0.107	(e)
POLY 1.5	P=0.366N	P=0.231	P=0.111	(e)
POLY 6	P=0.390N	P=0.238	P=0.100	(e)
COCH-ARM / FISHERS	P=0.370N	P=0.247	P=0.117	(e)
MAX-ISO-POLY-3	P=0.223	P=0.075	P=0.036*	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	3/50 (6%)	27/50 (54%)	31/49 (63%)	38/49 (78%)
POLY-3 RATE (b)	3/39.86	27/42.69	31/42.33	38/45.31
POLY-3 PERCENT (g)	7.5%	63.3%	73.2%	83.9%
TERMINAL (d)	1/25 (4%)	19/30 (63%)	14/19 (74%)	16/17 (94%)
FIRST INCIDENCE	478	335	525	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Fatty Change Diffuse

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	10/49 (20%)	10/49 (20%)
POLY-3 RATE (b)	0/38.86	3/39.05	10/40.28	10/40.53
POLY-3 PERCENT (g)	0%	7.7%	24.8%	24.7%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	2/19 (11%)	2/17 (12%)
FIRST INCIDENCE	---	309	439	467

**STATISTICAL TESTS**

POLY 3	P=0.002**	P=0.119	P<0.001**	P<0.001**
POLY 1.5	P=0.002**	P=0.117	P<0.001**	P<0.001**
POLY 6	P=0.002**	P=0.124	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.121	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.038*	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Fatty Change Focal

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	2/49 (4%)	9/49 (18%)
POLY-3 RATE (b)	2/38.92	2/38.12	2/36.63	9/38.95
POLY-3 PERCENT (g)	5.1%	5.3%	5.5%	23.1%
TERMINAL (d)	1/25 (4%)	2/30 (7%)	1/19 (5%)	4/17 (24%)
FIRST INCIDENCE	712	727 (T)	710	608

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.687	P=0.673	P=0.023*
POLY 1.5	P=0.002**	P=0.685	P=0.680	P=0.023*
POLY 6	P<0.001**	P=0.693N	P=0.659	P=0.021*
COCH-ARM / FISHERS	P=0.002**	P=0.691N	P=0.684	P=0.023*
MAX-ISO-POLY-3	P=0.002**	P=0.491	P=0.475	P=0.010**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Fibrosis

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	6/49 (12%)
POLY-3 RATE (b)	1/39.72	0/38.12	2/36.56	6/38.92
POLY-3 PERCENT (g)	2.5%	0%	5.5%	15.4%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	2/19 (11%)	1/17 (6%)
FIRST INCIDENCE	372	---	727 (T)	590

**STATISTICAL TESTS**

POLY 3	P=0.003**	P=0.508N	P=0.471	P=0.051
POLY 1.5	P=0.003**	P=0.508N	P=0.481	P=0.052
POLY 6	P=0.002**	P=0.504N	P=0.455	P=0.048*
COCH-ARM / FISHERS	P=0.003**	P=0.500N	P=0.492	P=0.053
MAX-ISO-POLY-3	P=0.005**	P=0.168N	P=0.263	P=0.021*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Liver  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	28/50 (56%)	42/50 (84%)	32/49 (65%)	37/49 (76%)
POLY-3 RATE (b)	28/44.88	42/44.78	32/42.82	37/44.38
POLY-3 PERCENT (g)	62.4%	93.8%	74.7%	83.4%
TERMINAL (d)	12/25 (48%)	30/30 (100%)	15/19 (79%)	15/17 (88%)
FIRST INCIDENCE	372	335	273	523

**STATISTICAL TESTS**

POLY 3	P=0.153	P<0.001**	P=0.143	P=0.016*
POLY 1.5	P=0.173	P<0.001**	P=0.180	P=0.021*
POLY 6	P=0.127	P<0.001**	P=0.095	P=0.012*
COCH-ARM / FISHERS	P=0.188	P=0.002**	P=0.229	P=0.033*
MAX-ISO-POLY-3	P=0.004**	P<0.001**	P=0.099	P=0.008**



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Hepatodiaphragmatic Nodule

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/39.72	0/38.12	1/36.61	1/37.89
POLY-3 PERCENT (g)	2.5%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	372	---	716	679

**STATISTICAL TESTS**

POLY 3	P=0.554	P=0.508N	P=0.743	P=0.751
POLY 1.5	P=0.559	P=0.508N	P=0.749	P=0.754
POLY 6	P=0.537	P=0.504N	P=0.733	P=0.744
COCH-ARM / FISHERS	P=0.554	P=0.500N	P=0.747	P=0.747
MAX-ISO-POLY-3	P=0.526	P=0.168N	P=0.476	P=0.486

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Hyperplasia

**LESION RATES**

OVERALL (a)	1/50 (2%)	3/50 (6%)	11/49 (22%)	22/49 (45%)
POLY-3 RATE (b)	1/39.72	3/38.12	11/37.53	22/41.30
POLY-3 PERCENT (g)	2.5%	7.9%	29.3%	53.3%
TERMINAL (d)	0/25 (0%)	3/30 (10%)	6/19 (32%)	10/17 (59%)
FIRST INCIDENCE	372	727 (T)	580	558

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.290	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.291	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.297	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.309	P=0.002**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.147	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Inflammation Chronic

**LESION RATES**

OVERALL (a)	29/50 (58%)	29/50 (58%)	32/49 (65%)	30/49 (61%)
POLY-3 RATE (b)	29/43.10	29/43.34	32/45.00	30/43.44
POLY-3 PERCENT (g)	67.3%	66.9%	71.1%	69.1%
TERMINAL (d)	20/25 (80%)	21/30 (70%)	13/19 (68%)	12/17 (71%)
FIRST INCIDENCE	372	271	229	523

**STATISTICAL TESTS**

POLY 3	P=0.484	P=0.580N	P=0.434	P=0.522
POLY 1.5	P=0.470	P=0.579	P=0.386	P=0.495
POLY 6	P=0.494	P=0.526N	P=0.479	P=0.562
COCH-ARM / FISHERS	P=0.424	P=0.580N	P=0.295	P=0.452
MAX-ISO-POLY-3	P=0.592	P=0.484N	P=0.343	P=0.424

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	6/50 (12%)	16/50 (32%)	14/49 (29%)	16/49 (33%)
POLY-3 RATE (b)	6/39.15	16/38.12	14/36.59	16/37.80
POLY-3 PERCENT (g)	15.3%	42%	38.3%	42.3%
TERMINAL (d)	5/25 (20%)	16/30 (53%)	13/19 (68%)	14/17 (82%)
FIRST INCIDENCE	649	727 (T)	720	705

**STATISTICAL TESTS**

POLY 3	P=0.056	P=0.007**	P=0.019*	P=0.006**
POLY 1.5	P=0.070	P=0.008**	P=0.025*	P=0.009**
POLY 6	P=0.032*	P=0.007**	P=0.011*	P=0.003**
COCH-ARM / FISHERS	P=0.079	P=0.014*	P=0.035*	P=0.012*
MAX-ISO-POLY-3	P=0.008**	P=0.003**	P=0.011*	P=0.003**

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Necrosis

**LESION RATES**

OVERALL (a)	3/50 (6%)	6/50 (12%)	10/49 (20%)	10/49 (20%)
POLY-3 RATE (b)	3/39.78	6/40.12	10/40.11	10/40.72
POLY-3 PERCENT (g)	7.5%	15%	24.9%	24.6%
TERMINAL (d)	1/25 (4%)	2/30 (7%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	588	527	439	481

**STATISTICAL TESTS**

POLY 3	P=0.056	P=0.244	P=0.033*	P=0.035*
POLY 1.5	P=0.056	P=0.236	P=0.032*	P=0.035*
POLY 6	P=0.052	P=0.265	P=0.033*	P=0.035*
COCH-ARM / FISHERS	P=0.050*	P=0.243	P=0.033*	P=0.033*
MAX-ISO-POLY-3	P=0.036*	P=0.147	P=0.016*	P=0.019*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver  
 Necrosis Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.56	2/38.38
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	590

**STATISTICAL TESTS**

POLY 3	P=0.040*	(e)	(e)	P=0.234
POLY 1.5	P=0.041*	(e)	(e)	P=0.235
POLY 6	P=0.039*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Liver  
 Pigmentation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	17/50 (34%)	32/49 (65%)	40/49 (82%)
POLY-3 RATE (b)	1/38.86	17/41.65	32/43.80	40/46.53
POLY-3 PERCENT (g)	2.6%	40.8%	73.1%	86%
TERMINAL (d)	1/25 (4%)	11/30 (37%)	12/19 (63%)	14/17 (82%)
FIRST INCIDENCE	727 (T)	460	439	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Liver  
 Toxic Hepatopathy

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	14/49 (29%)	25/49 (51%)
POLY-3 RATE (b)	0/38.86	4/38.12	14/38.24	25/43.17
POLY-3 PERCENT (g)	0%	10.5%	36.6%	57.9%
TERMINAL (d)	0/25 (0%)	4/30 (13%)	8/19 (42%)	11/17 (65%)
FIRST INCIDENCE	---	727 (T)	439	467

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.057	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.056	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.060	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.059	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Bile Duct  
 Cyst

**LESION RATES**

OVERALL (a)	3/50 (6%)	4/50 (8%)	5/49 (10%)	12/49 (24%)
POLY-3 RATE (b)	3/39.15	4/38.12	5/36.59	12/38.63
POLY-3 PERCENT (g)	7.7%	10.5%	13.7%	31.1%
TERMINAL (d)	2/25 (8%)	4/30 (13%)	4/19 (21%)	7/17 (41%)
FIRST INCIDENCE	649	727 (T)	720	632

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.485	P=0.317	P=0.008**
POLY 1.5	P<0.001**	P=0.484	P=0.331	P=0.009**
POLY 6	P<0.001**	P=0.498	P=0.292	P=0.006**
COCH-ARM / FISHERS	P=0.002**	P=0.500	P=0.346	P=0.010**
MAX-ISO-POLY-3	P=0.002**	P=0.335	P=0.205	P=0.003**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Liver: Bile Duct  
 Dilatation

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Bile Duct  
 Fibrosis

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	4/49 (8%)	1/49 (2%)
POLY-3 RATE (b)	1/38.86	1/38.12	4/36.62	1/37.74
POLY-3 PERCENT (g)	2.6%	2.6%	10.9%	2.7%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	720	718

**STATISTICAL TESTS**

POLY 3	P=0.588N	P=0.757	P=0.159	P=0.755
POLY 1.5	P=0.580N	P=0.755	P=0.165	P=0.757
POLY 6	P=0.612N	P=0.759N	P=0.147	P=0.748
COCH-ARM / FISHERS	P=0.586N	P=0.753N	P=0.175	P=0.747
MAX-ISO-POLY-3	P=0.314	P=0.494	P=0.076	P=0.491

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Liver: Bile Duct  
 Hyperplasia

**LESION RATES**

OVERALL (a)	12/50 (24%)	26/50 (52%)	29/49 (59%)	38/49 (78%)
POLY-3 RATE (b)	12/40.54	26/40.17	29/41.80	38/45.93
POLY-3 PERCENT (g)	29.6%	64.7%	69.4%	82.7%
TERMINAL (d)	8/25 (32%)	22/30 (73%)	15/19 (79%)	12/17 (71%)
FIRST INCIDENCE	406	527	229	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.004**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Centrilobular  
 Degeneration

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	18/49 (37%)	17/49 (35%)
POLY-3 RATE (b)	1/38.86	2/38.74	18/42.35	17/44.07
POLY-3 PERCENT (g)	2.6%	5.2%	42.5%	38.6%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	2/19 (11%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	527	439	401

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.499	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.494	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.512	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.279	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Hepatocyte  
 Hypertrophy

**LESION RATES**

OVERALL (a)	4/50 (8%)	33/50 (66%)	38/49 (78%)	42/49 (86%)
POLY-3 RATE (b)	4/39.45	33/41.99	38/44.92	42/46.71
POLY-3 PERCENT (g)	10.1%	78.6%	84.6%	89.9%
TERMINAL (d)	3/25 (12%)	26/30 (87%)	18/19 (95%)	17/17 (100%)
FIRST INCIDENCE	540	309	273	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Liver: Hepatocyte  
 Multinucleated

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	28/49 (57%)
POLY-3 RATE (b)	0/38.86	2/39.12	1/37.19	28/43.40
POLY-3 PERCENT (g)	0%	5.1%	2.7%	64.5%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	10/17 (59%)
FIRST INCIDENCE	---	527	525	481

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.238	P=0.491	P<0.001**
POLY 1.5	P<0.001**	P=0.234	P=0.494	P<0.001**
POLY 6	P<0.001**	P=0.248	P=0.485	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.495	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.077	P=0.157	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Liver: Oval Cell  
 Hyperplasia

**LESION RATES**

OVERALL (a)	0/50 (0%)	7/50 (14%)	24/49 (49%)	36/49 (73%)
POLY-3 RATE (b)	0/38.86	7/38.50	24/40.68	36/44.79
POLY-3 PERCENT (g)	0%	18.2%	59%	80.4%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	11/19 (58%)	12/17 (71%)
FIRST INCIDENCE	---	621	525	481

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.007**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.007**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.007**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.006**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.002**	P<0.001**	P<0.001**



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung  
 Congestion**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/39.25	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	614	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.497N	P=0.506N	P=0.514N	P=0.508N
POLY 1.5	P=0.498N	P=0.506N	P=0.509N	P=0.505N
POLY 6	P=0.498N	P=0.502N	P=0.524N	P=0.516N
COCH-ARM / FISHERS	P=0.503N	P=0.500N	P=0.505N	P=0.505N
MAX-ISO-POLY-3	P=0.139N	P=0.165N	P=0.174N	P=0.167N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lung  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	4/50 (8%)	5/50 (10%)	1/49 (2%)	4/49 (8%)
POLY-3 RATE (b)	4/39.65	5/38.14	1/37.01	4/38.30
POLY-3 PERCENT (g)	10.1%	13.1%	2.7%	10.4%
TERMINAL (d)	2/25 (8%)	4/30 (13%)	0/19 (0%)	2/17 (12%)
FIRST INCIDENCE	540	722	597	590

**STATISTICAL TESTS**

POLY 3	P=0.582N	P=0.475	P=0.198N	P=0.626
POLY 1.5	P=0.576N	P=0.477	P=0.192N	P=0.633
POLY 6	P=0.599N	P=0.485	P=0.212N	P=0.608
COCH-ARM / FISHERS	P=0.582N	P=0.500	P=0.187N	P=0.631
MAX-ISO-POLY-3	P=0.366N	P=0.341	P=0.101N	P=0.478

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung  
 Inflammation Granulomatous**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung  
 Pigmentation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	11/50 (22%)	21/49 (43%)	26/49 (53%)
POLY-3 RATE (b)	1/38.86	11/38.89	21/39.51	26/40.99
POLY-3 PERCENT (g)	2.6%	28.3%	53.2%	63.4%
TERMINAL (d)	1/25 (4%)	9/30 (30%)	15/19 (79%)	14/17 (82%)
FIRST INCIDENCE	727 (T)	460	460	481

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	5/50 (10%)	1/50 (2%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	5/39.33	1/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	12.7%	2.6%	0%	0%
TERMINAL (d)	4/25 (16%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	588	727 (T)	---	---

**STATISTICAL TESTS**

POLY 3	P=0.036N*	P=0.106N	P=0.036N*	P=0.033N*
POLY 1.5	P=0.036N*	P=0.108N	P=0.034N*	P=0.032N*
POLY 6	P=0.038N*	P=0.101N	P=0.040N*	P=0.036N*
COCH-ARM / FISHERS	P=0.041N*	P=0.102N	P=0.030N*	P=0.030N*
MAX-ISO-POLY-3	P=0.003N**	P=0.049N*	P=0.014N*	P=0.011N*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung: Alveolar Epithelium  
 Metaplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	4/50 (8%)	18/49 (37%)	30/49 (61%)
POLY-3 RATE (b)	2/38.86	4/38.59	18/40.46	30/41.47
POLY-3 PERCENT (g)	5.2%	10.4%	44.5%	72.3%
TERMINAL (d)	2/25 (8%)	3/30 (10%)	5/19 (26%)	15/17 (88%)
FIRST INCIDENCE	727 (T)	589	540	560

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.333	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.328	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.349	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.339	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.197	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lung: Alveolar Epithelium  
 Metaplasia Bronchiolar**

**LESION RATES**

OVERALL (a)	0/50 (0%)	21/50 (42%)	26/49 (53%)	35/49 (71%)
POLY-3 RATE (b)	0/38.86	21/41.81	26/40.62	35/44.88
POLY-3 PERCENT (g)	0%	50.2%	64%	78%
TERMINAL (d)	0/25 (0%)	15/30 (50%)	15/19 (79%)	16/17 (94%)
FIRST INCIDENCE	---	335	525	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Lung: Alveolus  
 Infiltration Cellular Histiocyte

**LESION RATES**

OVERALL (a)	36/50 (72%)	23/50 (46%)	29/49 (59%)	33/49 (67%)
POLY-3 RATE (b)	36/44.65	23/40.54	29/42.56	33/44.49
POLY-3 PERCENT (g)	80.6%	56.7%	68.2%	74.2%
TERMINAL (d)	20/25 (80%)	18/30 (60%)	12/19 (63%)	13/17 (77%)
FIRST INCIDENCE	483	460	460	401

**STATISTICAL TESTS**

POLY 3	P=0.417	P=0.010N**	P=0.121N	P=0.305N
POLY 1.5	P=0.385	P=0.008N**	P=0.118N	P=0.311N
POLY 6	P=0.398	P=0.014N*	P=0.144N	P=0.353N
COCH-ARM / FISHERS	P=0.267	P=0.007N**	P=0.129N	P=0.388N
MAX-ISO-POLY-3	P=0.093N	P=0.007N**	P=0.080N	P=0.218N

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mandibular Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	4/49 (8%)
POLY-3 RATE (b)	0/38.86	0/38.00	0/36.18	4/37.60
POLY-3 PERCENT (g)	0%	0%	0%	10.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	632

**STATISTICAL TESTS**

POLY 3	P<0.001**	(e)	(e)	P=0.055
POLY 1.5	P<0.001**	(e)	(e)	P=0.057
POLY 6	P<0.001**	(e)	(e)	P=0.052
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	P=0.056
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	P=0.018*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mandibular  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.00	2/36.43	0/36.78
POLY-3 PERCENT (g)	0%	0%	5.5%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/16 (0%)
FIRST INCIDENCE	---	---	659	---

**STATISTICAL TESTS**

POLY 3	P=0.691N	(e)	P=0.222	(e)
POLY 1.5	P=0.682N	(e)	P=0.227	(e)
POLY 6	P=0.708N	(e)	P=0.215	(e)
COCH-ARM / FISHERS	P=0.678N	(e)	P=0.242	(e)
MAX-ISO-POLY-3	P=0.250	(e)	P=0.074	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Lymph Node, Mandibular  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.00	0/36.18	0/36.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mandibular  
 Pigmentation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.00	0/36.18	0/36.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mesenteric Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	4/50 (8%)	6/49 (12%)
POLY-3 RATE (b)	0/38.86	0/38.11	4/37.56	6/39.11
POLY-3 PERCENT (g)	0%	0%	10.7%	15.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	587	401

**STATISTICAL TESTS**

POLY 3	P=0.002**	(e)	P=0.055	P=0.015*
POLY 1.5	P=0.002**	(e)	P=0.057	P=0.015*
POLY 6	P=0.002**	(e)	P=0.051	P=0.014*
COCH-ARM / FISHERS	P=0.002**	(e)	P=0.059	P=0.012*
MAX-ISO-POLY-3	P=0.004**	(e)	P=0.018*	P=0.005**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mesenteric  
 Atrophy Lymphoid**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.72	2/38.21
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	649

**STATISTICAL TESTS**

POLY 3	P=0.040*	(e)	(e)	P=0.233
POLY 1.5	P=0.041*	(e)	(e)	P=0.234
POLY 6	P=0.038*	(e)	(e)	P=0.228
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Lymph Node, Mesenteric  
 Hyperplasia Lymphoid

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.72	0/37.70
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node, Mesenteric  
 Pigmentation**

**LESION RATES**

OVERALL (a)	14/50 (28%)	32/49 (65%)	32/50 (64%)	30/49 (61%)
POLY-3 RATE (b)	14/39.82	32/43.70	32/44.69	30/43.05
POLY-3 PERCENT (g)	35.2%	73.2%	71.6%	69.7%
TERMINAL (d)	11/25 (44%)	21/30 (70%)	11/19 (58%)	15/17 (88%)
FIRST INCIDENCE	540	309	439	467

**STATISTICAL TESTS**

POLY 3	P=0.047*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.042*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.049*	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.037*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**



TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Lymph Node: Mediastinal  
Atrophy

---

LESION RATES

OVERALL (a)	0/1 (0%)	0/0 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.94	0/0.00	0/3.00	0/1.82
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Lymph Node: Mediastinal  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/1 (0%)	0/0 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.94	0/0.00	0/3.00	0/1.82
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Mammary Gland  
 Galactocele**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/39.78	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	7.5%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	540	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.139N	P=0.126N	P=0.133N	P=0.127N
POLY 1.5	P=0.139N	P=0.125N	P=0.126N	P=0.122N
POLY 6	P=0.142N	P=0.123N	P=0.144N	P=0.136N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.014N*	P=0.044N*	P=0.050N*	P=0.045N*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Mammary Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	4/50 (8%)	11/50 (22%)	11/50 (22%)	4/50 (8%)
POLY-3 RATE (b)	4/40.25	11/39.29	11/38.52	4/38.62
POLY-3 PERCENT (g)	9.9%	28%	28.6%	10.4%
TERMINAL (d)	1/25 (4%)	9/30 (30%)	5/19 (26%)	3/17 (18%)
FIRST INCIDENCE	478	527	439	401

**STATISTICAL TESTS**

POLY 3	P=0.204N	P=0.035*	P=0.031*	P=0.622
POLY 1.5	P=0.187N	P=0.036*	P=0.036*	P=0.635
POLY 6	P=0.247N	P=0.038*	P=0.025*	P=0.595
COCH-ARM / FISHERS	P=0.187N	P=0.045*	P=0.045*	P=0.643N
MAX-ISO-POLY-3	P=0.128	P=0.019*	P=0.017*	P=0.475

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Mesentery: Fat  
 Necrosis**

**LESION RATES**

OVERALL (a)	1/3 (33%)	1/2 (50%)	0/1 (0%)	2/3 (67%)
POLY-3 RATE (b)	1/2.94	1/2.00	0/1.00	2/2.45
POLY-3 PERCENT (g)	34%	50%	0%	81.6%
TERMINAL (d)	1/2 (50%)	1/2 (50%)	0/1 (0%)	1/1 (100%)
FIRST INCIDENCE	727 (T)	727 (T)	---	705

**STATISTICAL TESTS**

POLY 3	P=0.318	P=0.676	P=0.690N	P=0.411
POLY 1.5	P=0.354	P=0.673	P=0.691N	P=0.451
POLY 6	P=0.276	P=0.682	P=0.689N	P=0.360
COCH-ARM / FISHERS	P=0.384	P=0.700	P=0.750N	P=0.500
MAX-ISO-POLY-3	P=0.311	P=0.396	P=0.337N	P=0.167

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Nose  
 Foreign Body

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Nose  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	7/50 (14%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	0/38.86	7/38.70	6/37.64	8/39.38
POLY-3 PERCENT (g)	0%	18.1%	15.9%	20.3%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	4/19 (21%)	3/17 (18%)
FIRST INCIDENCE	---	544	587	551

**STATISTICAL TESTS**

POLY 3	P=0.046*	P=0.007**	P=0.013*	P=0.003**
POLY 1.5	P=0.048*	P=0.007**	P=0.014*	P=0.004**
POLY 6	P=0.043*	P=0.008**	P=0.011*	P=0.003**
COCH-ARM / FISHERS	P=0.049*	P=0.006**	P=0.013*	P=0.003**
MAX-ISO-POLY-3	P=0.006**	P=0.002**	P=0.004**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Oral Mucosa: Gingival  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	8/50 (16%)	24/50 (48%)	24/50 (48%)
POLY-3 RATE (b)	0/38.86	8/39.21	24/40.52	24/43.32
POLY-3 PERCENT (g)	0%	20.4%	59.2%	55.4%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	12/19 (63%)	9/17 (53%)
FIRST INCIDENCE	---	527	560	401

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.004**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.003**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Oral Mucosa: Gingival  
 Hyperplasia Cystic Keratinizing**

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	9/50 (18%)	13/50 (26%)
POLY-3 RATE (b)	0/38.86	4/38.12	9/37.21	13/39.73
POLY-3 PERCENT (g)	0%	10.5%	24.2%	32.7%
TERMINAL (d)	0/25 (0%)	4/30 (13%)	6/19 (32%)	4/17 (24%)
FIRST INCIDENCE	---	727 (T)	659	558

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.057	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.056	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.060	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.059	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Ovary  
 Cyst**

**LESION RATES**

OVERALL (a)	12/50 (24%)	8/50 (16%)	13/50 (26%)	12/50 (24%)
POLY-3 RATE (b)	12/40.82	8/39.15	13/39.43	12/40.52
POLY-3 PERCENT (g)	29.4%	20.4%	33%	29.6%
TERMINAL (d)	6/25 (24%)	5/30 (17%)	7/19 (37%)	4/17 (24%)
FIRST INCIDENCE	548	553	525	378

**STATISTICAL TESTS**

POLY 3	P=0.411	P=0.251N	P=0.458	P=0.589
POLY 1.5	P=0.421	P=0.250N	P=0.477	P=0.593N
POLY 6	P=0.374	P=0.240N	P=0.421	P=0.564
COCH-ARM / FISHERS	P=0.397	P=0.227N	P=0.500	P=0.592N
MAX-ISO-POLY-3	P=0.422	P=0.181N	P=0.364	P=0.491

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Ovary  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	0/38.86	1/38.12	2/37.66	5/39.27
POLY-3 PERCENT (g)	0%	2.6%	5.3%	12.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	580	588

**STATISTICAL TESTS**

POLY 3	P=0.009**	P=0.496	P=0.229	P=0.030*
POLY 1.5	P=0.009**	P=0.495	P=0.233	P=0.031*
POLY 6	P=0.008**	P=0.502	P=0.224	P=0.029*
COCH-ARM / FISHERS	P=0.009**	P=0.500	P=0.247	P=0.028*
MAX-ISO-POLY-3	P=0.008**	P=0.158	P=0.075	P=0.010**

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Oviduct  
 Cyst

**LESION RATES**

OVERALL (a)	0/2 (0%)	0/0 (0%)	2/3 (67%)	0/2 (0%)
POLY-3 RATE (b)	0/2.00	0/0.00	2/2.65	0/1.54
POLY-3 PERCENT (g)	0%	0%	75.6%	0%
TERMINAL (d)	0/2 (0%)	0/0 (0%)	1/1 (100%)	0/1 (0%)
FIRST INCIDENCE	---	---	716	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	P=0.205	(e)
POLY 1.5	(e)	(e)	P=0.241	(e)
POLY 6	(e)	(e)	P=0.144	(e)
COCH-ARM / FISHERS	P=0.603N	(e)	P=0.300	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.029*	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Oviduct  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/2 (100%)	0/0 (0%)	1/3 (33%)	2/2 (100%)
POLY-3 RATE (b)	2/2.00	0/0.00	1/2.96	2/2.00
POLY-3 PERCENT (g)	100%	0%	33.8%	100%
TERMINAL (d)	2/2 (100%)	0/0 (0%)	0/1 (0%)	1/1 (100%)
FIRST INCIDENCE	727 (T)	---	628	590

**STATISTICAL TESTS**

POLY 3	(e)	(e)	P=0.285N	(e)
POLY 1.5	(e)	(e)	P=0.283N	(e)
POLY 6	(e)	(e)	P=0.290N	(e)
COCH-ARM / FISHERS	P=0.603	(e)	P=0.300N	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.077N	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Pancreas  
 Atrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	11/49 (22%)	12/49 (24%)	13/49 (27%)
POLY-3 RATE (b)	0/38.86	11/40.07	12/37.36	13/42.48
POLY-3 PERCENT (g)	0%	27.5%	32.1%	30.6%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	9/19 (47%)	4/17 (24%)
FIRST INCIDENCE	---	335	628	378

**STATISTICAL TESTS**

POLY 3	P=0.018*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.015*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.019*	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.011*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
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Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Pancreas  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/49 (2%)	4/49 (8%)	6/49 (12%)
POLY-3 RATE (b)	1/39.33	1/38.11	4/36.71	6/39.64
POLY-3 PERCENT (g)	2.5%	2.6%	10.9%	15.1%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	3/19 (16%)	2/17 (12%)
FIRST INCIDENCE	588	727 (T)	688	378

**STATISTICAL TESTS**

POLY 3	P=0.018*	P=0.754	P=0.156	P=0.055
POLY 1.5	P=0.018*	P=0.753	P=0.164	P=0.056
POLY 6	P=0.016*	P=0.759	P=0.143	P=0.052
COCH-ARM / FISHERS	P=0.017*	P=0.747	P=0.175	P=0.053
MAX-ISO-POLY-3	P=0.028*	P=0.490	P=0.076	P=0.024*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Pancreas: Acinus  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.11	1/36.56	1/38.44
POLY-3 PERCENT (g)	0%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	---	---	727 (T)	467

**STATISTICAL TESTS**

POLY 3	P=0.325	(e)	P=0.488	P=0.498
POLY 1.5	P=0.328	(e)	P=0.492	P=0.499
POLY 6	P=0.312	(e)	P=0.480	P=0.493
COCH-ARM / FISHERS	P=0.322	(e)	P=0.495	P=0.495
MAX-ISO-POLY-3	P=0.247	(e)	P=0.157	P=0.157



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Pancreas: Acinus  
 Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	0/50 (0%)	27/49 (55%)	33/49 (67%)	40/49 (82%)
POLY-3 RATE (b)	0/38.86	27/41.82	33/44.09	40/46.42
POLY-3 PERCENT (g)	0%	64.6%	74.9%	86.2%
TERMINAL (d)	0/25 (0%)	21/30 (70%)	15/19 (79%)	15/17 (88%)
FIRST INCIDENCE	---	271	229	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Parathyroid Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/46 (0%)	0/46 (0%)	0/46 (0%)	2/45 (4%)
POLY-3 RATE (b)	0/36.07	0/36.18	0/34.62	2/34.48
POLY-3 PERCENT (g)	0%	0%	0%	5.8%
TERMINAL (d)	0/23 (0%)	0/30 (0%)	0/19 (0%)	1/15 (7%)
FIRST INCIDENCE	---	---	---	378

**STATISTICAL TESTS**

POLY 3	P=0.038*	(e)	(e)	P=0.226
POLY 1.5	P=0.039*	(e)	(e)	P=0.230
POLY 6	P=0.035*	(e)	(e)	P=0.218
COCH-ARM / FISHERS	P=0.040*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.074

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Pituitary Gland  
 Necrosis**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/38.86	0/38.12	2/37.28	0/37.78
POLY-3 PERCENT (g)	2.6%	0%	5.4%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	---	634	---

**STATISTICAL TESTS**

POLY 3	P=0.446N	P=0.504N	P=0.485	P=0.506N
POLY 1.5	P=0.439N	P=0.505N	P=0.492	P=0.502N
POLY 6	P=0.464N	P=0.498N	P=0.476	P=0.513N
COCH-ARM / FISHERS	P=0.441N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.336N	P=0.163N	P=0.271	P=0.165N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Pituitary Gland: Pars Distalis  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	20/50 (40%)	13/50 (26%)	12/50 (24%)	19/50 (38%)
POLY-3 RATE (b)	20/40.99	13/38.62	12/38.04	19/41.16
POLY-3 PERCENT (g)	48.8%	33.7%	31.6%	46.2%
TERMINAL (d)	12/25 (48%)	11/30 (37%)	8/19 (42%)	9/17 (53%)
FIRST INCIDENCE	548	587	525	401

**STATISTICAL TESTS**

POLY 3	P=0.372	P=0.120N	P=0.083N	P=0.493N
POLY 1.5	P=0.368	P=0.117N	P=0.073N	P=0.486N
POLY 6	P=0.347	P=0.116N	P=0.110N	P=0.527N
COCH-ARM / FISHERS	P=0.328	P=0.101N	P=0.066N	P=0.500N
MAX-ISO-POLY-3	P=0.217N	P=0.086N	P=0.059N	P=0.401N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Salivary Glands  
 Atrophy**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/49 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/38.86	1/38.00	0/36.72	2/37.56
POLY-3 PERCENT (g)	2.6%	2.6%	0%	5.3%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	---	467

**STATISTICAL TESTS**

POLY 3	P=0.319	P=0.756	P=0.511N	P=0.488
POLY 1.5	P=0.323	P=0.753	P=0.506N	P=0.492
POLY 6	P=0.309	P=0.759N	P=0.520N	P=0.478
COCH-ARM / FISHERS	P=0.321	P=0.747	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.273	P=0.493	P=0.172N	P=0.272

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Skin  
 Cyst Epithelial Inclusion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/38.18
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	616

**STATISTICAL TESTS**

POLY 3	P=0.219	(e)	(e)	P=0.496
POLY 1.5	P=0.222	(e)	(e)	P=0.499
POLY 6	P=0.213	(e)	(e)	P=0.491
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Skin  
Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/37.92
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	693

**STATISTICAL TESTS**

POLY 3	P=0.218	(e)	(e)	P=0.495
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.212	(e)	(e)	P=0.489
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Skin  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Spleen  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	41/50 (82%)	47/50 (94%)	45/49 (92%)	45/49 (92%)
POLY-3 RATE (b)	41/47.48	47/48.14	45/48.53	45/47.70
POLY-3 PERCENT (g)	86.3%	97.6%	92.7%	94.3%
TERMINAL (d)	22/25 (88%)	29/30 (97%)	16/19 (84%)	15/17 (88%)
FIRST INCIDENCE	232	271	229	378

**STATISTICAL TESTS**

POLY 3	P=0.323	P=0.037*	P=0.235	P=0.149
POLY 1.5	P=0.310	P=0.030*	P=0.187	P=0.136
POLY 6	P=0.328	P=0.056	P=0.285	P=0.168
COCH-ARM / FISHERS	P=0.255	P=0.061	P=0.125	P=0.125
MAX-ISO-POLY-3	P=0.073	P=0.015*	P=0.145	P=0.081

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Spleen  
 Pigmentation**

**LESION RATES**

OVERALL (a)	31/50 (62%)	44/50 (88%)	42/49 (86%)	47/49 (96%)
POLY-3 RATE (b)	31/45.29	44/48.63	42/46.82	47/48.25
POLY-3 PERCENT (g)	68.5%	90.5%	89.7%	97.4%
TERMINAL (d)	17/25 (68%)	27/30 (90%)	16/19 (84%)	17/17 (100%)
FIRST INCIDENCE	232	153	229	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P=0.005**	P=0.007**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P=0.005**	P<0.001**
POLY 6	P<0.001**	P=0.010**	P=0.011*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P=0.007**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.003**	P=0.003**	P<0.001**

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Spleen: Lymphoid Follicle  
 Atrophy

**LESION RATES**

OVERALL (a)	3/50 (6%)	4/50 (8%)	8/49 (16%)	10/49 (20%)
POLY-3 RATE (b)	3/39.58	4/40.46	8/39.15	10/40.50
POLY-3 PERCENT (g)	7.6%	9.9%	20.4%	24.7%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	614	366	574	467

**STATISTICAL TESTS**

POLY 3	P=0.020*	P=0.512	P=0.091	P=0.035*
POLY 1.5	P=0.021*	P=0.501	P=0.092	P=0.035*
POLY 6	P=0.018*	P=0.534	P=0.088	P=0.034*
COCH-ARM / FISHERS	P=0.019*	P=0.500	P=0.094	P=0.033*
MAX-ISO-POLY-3	P=0.028*	P=0.359	P=0.048*	P=0.018*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Forestomach  
 Cyst**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.72	2/38.45
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	536

**STATISTICAL TESTS**

POLY 3	P=0.040*	(e)	(e)	P=0.234
POLY 1.5	P=0.041*	(e)	(e)	P=0.235
POLY 6	P=0.039*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Stomach, Forestomach  
Inflammation

---

LESION RATES

OVERALL (a)	1/50 (2%)	3/49 (6%)	5/50 (10%)	7/49 (14%)
POLY-3 RATE (b)	1/38.98	3/38.58	5/38.05	7/39.01
POLY-3 PERCENT (g)	2.6%	7.8%	13.1%	18%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	696	589	574	590

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STATISTICAL TESTS

POLY 3	P=0.026*	P=0.301	P=0.093	P=0.028*
POLY 1.5	P=0.027*	P=0.297	P=0.097	P=0.029*
POLY 6	P=0.024*	P=0.312	P=0.088	P=0.027*
COCH-ARM / FISHERS	P=0.027*	P=0.301	P=0.102	P=0.028*
MAX-ISO-POLY-3	P=0.020*	P=0.150	P=0.042*	P=0.011*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
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 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Forestomach  
 Mineralization**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/49 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	2/39.72	2/38.86	1/36.72	0/37.70
POLY-3 PERCENT (g)	5%	5.2%	2.7%	0%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	372	460	727 (T)	---

**STATISTICAL TESTS**

POLY 3	P=0.154N	P=0.687	P=0.528N	P=0.248N
POLY 1.5	P=0.151N	P=0.683	P=0.516N	P=0.244N
POLY 6	P=0.162N	P=0.692N	P=0.545N	P=0.257N
COCH-ARM / FISHERS	P=0.150N	P=0.684	P=0.500N	P=0.253N
MAX-ISO-POLY-3	P=0.175N	P=0.490	P=0.309N	P=0.086N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Forestomach  
 Necrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.11	3/37.52	2/38.05
POLY-3 PERCENT (g)	0%	0%	8%	5.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	612	632

**STATISTICAL TESTS**

POLY 3	P=0.169	(e)	P=0.111	P=0.232
POLY 1.5	P=0.174	(e)	P=0.114	P=0.234
POLY 6	P=0.156	(e)	P=0.106	P=0.226
COCH-ARM / FISHERS	P=0.173	(e)	P=0.121	P=0.242
MAX-ISO-POLY-3	P=0.081	(e)	P=0.037*	P=0.074

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	32/49 (65%)	46/50 (92%)	46/49 (94%)
POLY-3 RATE (b)	0/38.86	32/41.56	46/46.94	46/47.54
POLY-3 PERCENT (g)	0%	77%	98%	96.8%
TERMINAL (d)	0/25 (0%)	25/30 (83%)	19/19 (100%)	16/17 (94%)
FIRST INCIDENCE	---	460	439	378

**STATISTICAL TESTS**

POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**



TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Glandular  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/38.92	0/38.11	0/36.56	0/37.70
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	712	---	---	---

**STATISTICAL TESTS**

POLY 3	P=0.500N	P=0.504N	P=0.512N	P=0.506N
POLY 1.5	P=0.500N	P=0.506N	P=0.508N	P=0.504N
POLY 6	P=0.502N	P=0.499N	P=0.521N	P=0.513N
COCH-ARM / FISHERS	P=0.502N	P=0.505N	P=0.505N	P=0.505N
MAX-ISO-POLY-3	P=0.137N	P=0.162N	P=0.172N	P=0.165N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Stomach, Glandular  
 Mineralization**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/49 (2%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	1/38.86	1/37.13	0/37.70
POLY-3 PERCENT (g)	0%	2.6%	2.7%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	460	548	---

**STATISTICAL TESTS**

POLY 3	P=0.541N	P=0.500	P=0.491	(e)
POLY 1.5	P=0.538N	P=0.497	P=0.493	(e)
POLY 6	P=0.549N	P=0.507	P=0.485	(e)
COCH-ARM / FISHERS	P=0.539N	P=0.495	P=0.495	(e)
MAX-ISO-POLY-3	P=0.408	P=0.160	P=0.157	(e)

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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Thymus  
 Atrophy

**LESION RATES**

OVERALL (a)	47/50 (94%)	49/50 (98%)	46/47 (98%)	50/50 (100%)
POLY-3 RATE (b)	47/48.44	49/49.98	46/46.51	50/50.00
POLY-3 PERCENT (g)	97%	98%	98.9%	100%
TERMINAL (d)	24/25 (96%)	30/30 (100%)	18/18 (100%)	17/17 (100%)
FIRST INCIDENCE	372	153	229	314

**STATISTICAL TESTS**

POLY 3	P=0.239	P=0.634	P=0.535	P=0.333
POLY 1.5	P=0.196	P=0.535	P=0.485	P=0.240
POLY 6	P=0.285	P=0.705	P=0.545	P=0.425
COCH-ARM / FISHERS	P=0.124	P=0.309	P=0.332	P=0.121
MAX-ISO-POLY-3	P=0.154	P=0.366	P=0.229	P=0.090

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Thyroid Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/38.86	0/38.00	2/37.11	4/38.75
POLY-3 PERCENT (g)	0%	0%	5.4%	10.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	2/17 (12%)
FIRST INCIDENCE	---	---	615	401

**STATISTICAL TESTS**

POLY 3	P=0.010**	(e)	P=0.226	P=0.059
POLY 1.5	P=0.011*	(e)	P=0.231	P=0.060
POLY 6	P=0.009**	(e)	P=0.219	P=0.055
COCH-ARM / FISHERS	P=0.012*	(e)	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.014*	(e)	P=0.075	P=0.019*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)**  
**TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Thyroid Gland: C-Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	12/50 (24%)	5/49 (10%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	12/41.13	5/38.46	3/37.07	4/39.30
POLY-3 PERCENT (g)	29.2%	13%	8.1%	10.2%
TERMINAL (d)	7/25 (28%)	4/30 (13%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	548	589	628	481

**STATISTICAL TESTS**

POLY 3	P=0.060N	P=0.065N	P=0.016N*	P=0.029N*
POLY 1.5	P=0.059N	P=0.065N	P=0.013N*	P=0.026N*
POLY 6	P=0.068N	P=0.063N	P=0.023N*	P=0.034N*
COCH-ARM / FISHERS	P=0.068N	P=0.059N	P=0.011N*	P=0.027N*
MAX-ISO-POLY-3	P=0.010N**	P=0.041N*	P=0.010N**	P=0.016N*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

**Thyroid Gland: Follicular Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/49 (2%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	0/38.86	1/38.00	3/37.11	3/37.92
POLY-3 PERCENT (g)	0%	2.6%	8.1%	7.9%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	2/19 (11%)	2/17 (12%)
FIRST INCIDENCE	---	727 (T)	615	693

**STATISTICAL TESTS**

POLY 3	P=0.112	P=0.496	P=0.109	P=0.113
POLY 1.5	P=0.118	P=0.493	P=0.113	P=0.116
POLY 6	P=0.100	P=0.502	P=0.103	P=0.107
COCH-ARM / FISHERS	P=0.121	P=0.495	P=0.121	P=0.121
MAX-ISO-POLY-3	P=0.078	P=0.157	P=0.037*	P=0.037*

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Thyroid Gland: Follicular Cell Hypertrophy**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/49 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/38.86	1/38.00	2/36.72	4/39.03
POLY-3 PERCENT (g)	0%	2.6%	5.5%	10.3%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	2/19 (11%)	2/17 (12%)
FIRST INCIDENCE	---	727 (T)	727 (T)	401

**STATISTICAL TESTS**

POLY 3	P=0.030*	P=0.496	P=0.224	P=0.060
POLY 1.5	P=0.032*	P=0.493	P=0.230	P=0.061
POLY 6	P=0.028*	P=0.502	P=0.214	P=0.056
COCH-ARM / FISHERS	P=0.031*	P=0.495	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.023*	P=0.157	P=0.075	P=0.019*

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

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**Tooth: Peridental Tissue  
 Inflammation**

**LESION RATES**

OVERALL (a)	5/50 (10%)	10/50 (20%)	14/50 (28%)	9/50 (18%)
POLY-3 RATE (b)	5/39.81	10/39.29	14/38.15	9/38.49
POLY-3 PERCENT (g)	12.6%	25.5%	36.7%	23.4%
TERMINAL (d)	2/25 (8%)	8/30 (27%)	9/19 (47%)	4/17 (24%)
FIRST INCIDENCE	560	527	593	649

**STATISTICAL TESTS**

POLY 3	P=0.356	P=0.117	P=0.010**	P=0.167
POLY 1.5	P=0.386	P=0.117	P=0.013*	P=0.181
POLY 6	P=0.300	P=0.126	P=0.007**	P=0.146
COCH-ARM / FISHERS	P=0.400	P=0.131	P=0.020*	P=0.194
MAX-ISO-POLY-3	P=0.056	P=0.071	P=0.006**	P=0.107

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TDMS No. 88148 - 06  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
3,3',4,4'-Tetrachloroazobenzene  
CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
Time Report Requested: 07:37:02  
First Dose M/F: 01/29/03 / 01/30/03  
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
TERMINAL SACRIFICE AT 104 WEEKS

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Ureter: Transitional Epithelium  
Hyperplasia

---

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Urethra: Transitional Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	1/38.12	1/36.76	1/37.07
POLY-3 PERCENT (g)	0%	2.6%	2.7%	2.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	716	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.485	P=0.496	P=0.489	P=0.491
POLY 1.5	P=0.492	P=0.495	P=0.494	P=0.494
POLY 6	P=0.471	P=0.502	P=0.481	P=0.484
COCH-ARM / FISHERS	P=0.494	P=0.500	P=0.500	P=0.495
MAX-ISO-POLY-3	P=0.331	P=0.158	P=0.158	P=0.157

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Urinary Bladder  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.72	1/37.78
POLY-3 PERCENT (g)	0%	2.6%	0%	2.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	---	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.457	P=0.496	(e)	P=0.494
POLY 1.5	P=0.461	P=0.495	(e)	P=0.498
POLY 6	P=0.449	P=0.502	(e)	P=0.487
COCH-ARM / FISHERS	P=0.464	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.257	P=0.158	(e)	P=0.158

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Uterus  
 Angiectasis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/38.86	1/38.12	1/36.94	2/37.82
POLY-3 PERCENT (g)	0%	2.6%	2.7%	5.3%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	668	718

**STATISTICAL TESTS**

POLY 3	P=0.194	P=0.496	P=0.490	P=0.230
POLY 1.5	P=0.200	P=0.495	P=0.494	P=0.234
POLY 6	P=0.183	P=0.502	P=0.483	P=0.223
COCH-ARM / FISHERS	P=0.200	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.123	P=0.158	P=0.158	P=0.075

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Uterus  
 Cyst

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	2/37.78
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	2/17 (12%)
FIRST INCIDENCE	---	---	---	727 (T)

**STATISTICAL TESTS**

POLY 3	P=0.040*	(e)	(e)	P=0.230
POLY 1.5	P=0.041*	(e)	(e)	P=0.234
POLY 6	P=0.037*	(e)	(e)	P=0.222
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.075

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Uterus  
 Inflammation**

**LESION RATES**

OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	4/38.86	5/40.50	3/38.25	3/39.01
POLY-3 PERCENT (g)	10.3%	12.4%	7.8%	7.7%
TERMINAL (d)	4/25 (16%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	335	391	523

**STATISTICAL TESTS**

POLY 3	P=0.369N	P=0.526	P=0.509N	P=0.498N
POLY 1.5	P=0.363N	P=0.507	P=0.504N	P=0.497N
POLY 6	P=0.386N	P=0.562	P=0.519N	P=0.504N
COCH-ARM / FISHERS	P=0.366N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.471N	P=0.387	P=0.354N	P=0.344N

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 3,3',4,4'-Tetrachloroazobenzene  
 CAS Number: 14047-09-7

Date Report Requested: 06/10/2008  
 Time Report Requested: 07:37:02  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Uterus: Endometrium  
 Hyperplasia Cystic

**LESION RATES**

OVERALL (a)	15/50 (30%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	15/40.79	4/39.59	5/37.34	6/37.95
POLY-3 PERCENT (g)	36.8%	10.1%	13.4%	15.8%
TERMINAL (d)	12/25 (48%)	2/30 (7%)	4/19 (21%)	5/17 (29%)
FIRST INCIDENCE	406	335	525	684

**STATISTICAL TESTS**

POLY 3	P=0.130N	P=0.004N**	P=0.014N*	P=0.028N*
POLY 1.5	P=0.120N	P=0.004N**	P=0.012N*	P=0.025N*
POLY 6	P=0.156N	P=0.003N**	P=0.018N*	P=0.035N*
COCH-ARM / FISHERS	P=0.127N	P=0.005N**	P=0.011N*	P=0.024N*
MAX-ISO-POLY-3	P=0.006N**	P=0.002N**	P=0.009N**	P=0.018N*

---

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

---

Uterus: Endometrium  
 Metaplasia

**LESION RATES**

OVERALL (a)	20/50 (40%)	28/50 (56%)	22/50 (44%)	22/50 (44%)
POLY-3 RATE (b)	20/42.52	28/44.23	22/42.35	22/42.33
POLY-3 PERCENT (g)	47%	63.3%	52%	52%
TERMINAL (d)	13/25 (52%)	18/30 (60%)	7/19 (37%)	10/17 (59%)
FIRST INCIDENCE	406	271	460	536

**STATISTICAL TESTS**

POLY 3	P=0.468N	P=0.087	P=0.405	P=0.404
POLY 1.5	P=0.448N	P=0.078	P=0.403	P=0.410
POLY 6	P=0.500N	P=0.112	P=0.417	P=0.397
COCH-ARM / FISHERS	P=0.435N	P=0.080	P=0.420	P=0.420
MAX-ISO-POLY-3	P=0.328	P=0.060	P=0.321	P=0.320

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TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

**Vagina: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/2 (100%)	2/2 (100%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (b)	2/2.00	2/2.00	0/0.00	1/3.25
POLY-3 PERCENT (g)	100%	100%	0%	30.8%
TERMINAL (d)	1/1 (100%)	2/2 (100%)	0/0 (0%)	1/2 (50%)
FIRST INCIDENCE	649	727 (T)	---	727 (T)

**STATISTICAL TESTS**

POLY 3	(e)	(e)	(e)	P=0.211N
POLY 1.5	(e)	(e)	(e)	P=0.182N
POLY 6	(e)	(e)	(e)	P=0.280N
COCH-ARM / FISHERS	P=0.050N*	(e)	(e)	P=0.200N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.035N*

**TDMS No.** 88148 - 06  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/SD

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7

**Date Report Requested:** 06/10/2008  
**Time Report Requested:** 07:37:02  
**First Dose M/F:** 01/29/03 / 01/30/03  
**Lab:** BAT

## **LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
  - (b) Number of tumor-bearing animals/Poly-3 number
  - (d) Observed incidence at terminal kill.
  - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
  - (e) Value of Statistic cannot be computed.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (I) Interim sacrifice
  - (T) Terminal sacrifice
  - # Tumor rates based on numbers of animals necropsied.
  - \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
  - \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
  - N Indicates a negative trend for all tests
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.  
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

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