

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

F#2_R2

C Number: C95003
Lock Date: 01/29/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF METHYL TRANS-STYRYL KETONE

MALE RATS

Organ

Adrenal Cortex

Adrenal Medulla
Bone Marrow
Brain
Epididymis
Eye: Retina
Intestine Small, Duodenum: Epithelium
Kidney
Liver

Liver: Bile Duct
Lung

Lung: Alveolar Epithelium
Lymph Node, Mesenteric
Lymph Node: Mediastinal

Nose
Nose: Respiratory Epithelium
Pancreas
Pituitary Gland: Pars Distalis
Pituitary Gland: Pars Intermedia

Pituitary Gland: Pars Nervosa
Preputial Gland
Prostate
Prostate: Epithelium
Skin

Morphology

Degeneration Fatty
Hyperplasia Focal
Hyperplasia
Hyperplasia
Hemorrhage
Inflammation Chronic
Degeneration
Hyperplasia
Inflammation
Clear Cell Focus
Eosinophilic Focus
Hepatodiaphragmatic Nodule
Hyperplasia
Edema
Infiltration Cellular Histiocyte
Inflammation Chronic
Metaplasia Osseous
Hyperplasia
Hyperplasia Lymphoid
Hemorrhage
Hyperplasia Lymphoid
Fungus
Metaplasia
Cyst
Angiectasis
Angiectasis
Cyst
Infiltration Cellular Mixed Cell
Cyst
Inflammation Chronic
Hyperplasia
Ulcer

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Skin: Control
Skin: Epidermis
Skin: Epidermis, Site of Application
Skin: Site of Application
Spleen

Hyperkeratosis
Hyperplasia
Hyperplasia
Hyperkeratosis
Fibrosis
Pigmentation
Hyperplasia
Cyst

Testes: Interstitial Cell
Thyroid Gland: Follicle

FEMALE RATS

Organ

Adrenal Cortex

Adrenal Medulla
Brain

Clitoral Gland
Heart

Liver: Hepatocyte
Lung

Lymph Node, Mesenteric
Lymph Node: Mediastinal

Mesentery
Mesentery: Fat

Nose
Nose: Respiratory Epithelium

Ovary
Pancreas

Skin
Skin: Control
Skin: Epidermis, Site of Application
Skin: Site of Application
Spleen: Lymphoid Follicle

Morphology

Accessory Adrenal Cortical Nodule
Degeneration Fatty
Hyperplasia
Compression
Hemorrhage
Cyst
Thrombosis
Hyperplasia Focal
Infiltration Cellular Histiocyte
Hyperplasia Lymphoid
Hemorrhage
Accessory Spleen
Necrosis
Inflammation Chronic
Hyperplasia
Cyst
Atrophy
Cyst
Inflammation Chronic
Hyperkeratosis
Hyperplasia
Hyperkeratosis
Atrophy
Hyperplasia

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF METHYL TRANS-STYRYL KETONE

Stomach, Forestomach
Stomach, Forestomach: Epithelium
Thyroid Gland: C-Cell

Inflammation Chronic
Hyperplasia
Hyperplasia

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
LESION RATES				
OVERALL (a)	25/50 (50%)	21/50 (42%)	23/50 (46%)	26/50 (52%)
POLY-3 RATE (b)	25/45.81	21/43.17	23/44.74	26/46.18
POLY-3 PERCENT (g)	54.6%	48.6%	51.4%	56.3%
TERMINAL (d)	15/27 (56%)	17/30 (57%)	8/22 (36%)	18/30 (60%)
FIRST INCIDENCE	480	659	362	562
STATISTICAL TESTS				
POLY 3	P=0.369	P=0.361N	P=0.463N	P=0.518
POLY 1.5	P=0.347	P=0.332N	P=0.442N	P=0.510
POLY 6	P=0.398	P=0.391N	P=0.490N	P=0.533
COCH-ARM / FISHERS	P=0.310	P=0.274N	P=0.421N	P=0.500
MAX-ISO-POLY-3	P=0.511	P=0.290N	P=0.379N	P=0.431

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex Degeneration Fatty				
LESION RATES				
OVERALL (a)	30/50 (60%)	23/50 (46%)	20/50 (40%)	25/50 (50%)
POLY-3 RATE (b)	30/44.63	23/43.23	20/42.27	25/45.79
POLY-3 PERCENT (g)	67.2%	53.2%	47.3%	54.6%
TERMINAL (d)	20/27 (74%)	18/30 (60%)	11/22 (50%)	17/30 (57%)
FIRST INCIDENCE	554	591	626	632
STATISTICAL TESTS				
POLY 3	P=0.274N	P=0.119N	P=0.039N*	P=0.146N
POLY 1.5	P=0.316N	P=0.121N	P=0.036N*	P=0.173N
POLY 6	P=0.216N	P=0.113N	P=0.047N*	P=0.111N
COCH-ARM / FISHERS	P=0.381N	P=0.115N	P=0.036N*	P=0.211N
MAX-ISO-POLY-3	P=0.086N	P=0.083N	P=0.026N*	P=0.104N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Hyperplasia Focal				
LESION RATES				
OVERALL (a)	12/50 (24%)	3/50 (6%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	12/43.00	3/42.38	4/40.88	6/44.43
POLY-3 PERCENT (g)	27.9%	7.1%	9.8%	13.5%
TERMINAL (d)	10/27 (37%)	3/30 (10%)	3/22 (14%)	4/30 (13%)
FIRST INCIDENCE	659	729 (T)	657	632
STATISTICAL TESTS				
POLY 3	P=0.250N	P=0.010N**	P=0.030N*	P=0.078N
POLY 1.5	P=0.261N	P=0.011N*	P=0.028N*	P=0.085N
POLY 6	P=0.235N	P=0.009N**	P=0.034N*	P=0.068N
COCH-ARM / FISHERS	P=0.286N	P=0.011N*	P=0.027N*	P=0.096N
MAX-ISO-POLY-3	P=0.014N*	P=0.005N**	P=0.017N*	P=0.048N*

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Hypertrophy Focal				
LESION RATES				
OVERALL (a)	7/50 (14%)	11/50 (22%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	7/42.86	11/42.66	6/41.03	6/44.15
POLY-3 PERCENT (g)	16.3%	25.8%	14.6%	13.6%
TERMINAL (d)	3/27 (11%)	9/30 (30%)	4/22 (18%)	3/30 (10%)
FIRST INCIDENCE	703	687	633	667
STATISTICAL TESTS				
POLY 3	P=0.227N	P=0.208	P=0.534N	P=0.477N
POLY 1.5	P=0.239N	P=0.208	P=0.518N	P=0.487N
POLY 6	P=0.211N	P=0.215	P=0.559N	P=0.462N
COCH-ARM / FISHERS	P=0.257N	P=0.218	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.293N	P=0.141	P=0.414N	P=0.361N

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	22/49 (45%)	17/50 (34%)	11/50 (22%)	20/50 (40%)
POLY-3 RATE (b)	22/44.11	17/43.54	11/42.08	20/44.94
POLY-3 PERCENT (g)	49.9%	39.1%	26.1%	44.5%
TERMINAL (d)	12/27 (44%)	13/30 (43%)	5/22 (23%)	15/30 (50%)
FIRST INCIDENCE	554	591	630	562
STATISTICAL TESTS				
POLY 3	P=0.549N	P=0.206N	P=0.017N*	P=0.382N
POLY 1.5	P=0.552	P=0.201N	P=0.014N*	P=0.381N
POLY 6	P=0.549N	P=0.210N	P=0.023N*	P=0.389N
COCH-ARM / FISHERS	P=0.528	P=0.183N	P=0.013N*	P=0.386N
MAX-ISO-POLY-3	P=0.125N	P=0.152N	P=0.011N*	P=0.303N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	7/50 (14%)	10/50 (20%)	3/50 (6%)
POLY-3 RATE (b)	2/42.98	7/43.46	10/44.52	3/45.01
POLY-3 PERCENT (g)	4.7%	16.1%	22.5%	6.7%
TERMINAL (d)	1/27 (4%)	3/30 (10%)	2/22 (9%)	1/30 (3%)
FIRST INCIDENCE	601	554	362	468
STATISTICAL TESTS				
POLY 3	P=0.340N	P=0.080	P=0.015*	P=0.521
POLY 1.5	P=0.356N	P=0.078	P=0.015*	P=0.513
POLY 6	P=0.322N	P=0.085	P=0.015*	P=0.532
COCH-ARM / FISHERS	P=0.385N	P=0.080	P=0.014*	P=0.500
MAX-ISO-POLY-3	P=0.115	P=0.040*	P=0.007**	P=0.345

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Bone Marrow				
Myelofibrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/43.04	2/42.87	1/40.76	1/44.00
POLY-3 PERCENT (g)	4.7%	4.7%	2.5%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	616	659	690	659
STATISTICAL TESTS				
POLY 3	P=0.375N	P=0.693	P=0.519N	P=0.492N
POLY 1.5	P=0.378N	P=0.691	P=0.510N	P=0.496N
POLY 6	P=0.370N	P=0.690N	P=0.532N	P=0.487N
COCH-ARM / FISHERS	P=0.383N	P=0.691N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.442N	P=0.498	P=0.301N	P=0.276N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Bone: Femur				
Osteopetrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	1/41.17	0/43.73
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	554	---
STATISTICAL TESTS				
POLY 3	P=0.780N	(e)	P=0.493	(e)
POLY 1.5	P=0.782N	(e)	P=0.496	(e)
POLY 6	P=0.779N	(e)	P=0.489	(e)
COCH-ARM / FISHERS	P=0.785N	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.388	(e)	P=0.158	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Brain Compression				
LESION RATES				
OVERALL (a)	17/50 (34%)	19/50 (38%)	20/50 (40%)	18/50 (36%)
POLY-3 RATE (b)	17/44.65	19/44.43	20/44.12	18/46.05
POLY-3 PERCENT (g)	38.1%	42.8%	45.3%	39.1%
TERMINAL (d)	9/27 (33%)	14/30 (47%)	8/22 (36%)	11/30 (37%)
FIRST INCIDENCE	554	480	467	522
STATISTICAL TESTS				
POLY 3	P=0.497N	P=0.406	P=0.314	P=0.547
POLY 1.5	P=0.521N	P=0.404	P=0.325	P=0.527
POLY 6	P=0.464N	P=0.411	P=0.299	P=0.575
COCH-ARM / FISHERS	P=0.542	P=0.418	P=0.339	P=0.500
MAX-ISO-POLY-3	P=0.538	P=0.324	P=0.243	P=0.460

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	4/42.81	2/40.61	0/43.73
POLY-3 PERCENT (g)	0%	9.3%	4.9%	0%
TERMINAL (d)	0/27 (0%)	2/30 (7%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	---	670	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.206N	P=0.061	P=0.226	(e)
POLY 1.5	P=0.212N	P=0.060	P=0.231	(e)
POLY 6	P=0.198N	P=0.063	P=0.219	(e)
COCH-ARM / FISHERS	P=0.220N	P=0.059	P=0.247	(e)
MAX-ISO-POLY-3	P=0.184N	P=0.020*	P=0.075	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Brain				
Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.19	1/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	4.6%	2.4%	0%	0%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	616	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.165N	P=0.507N	P=0.251N	P=0.234N
POLY 1.5	P=0.166N	P=0.506N	P=0.245N	P=0.235N
POLY 6	P=0.163N	P=0.505N	P=0.261N	P=0.233N
COCH-ARM / FISHERS	P=0.169N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.080N	P=0.288N	P=0.089N	P=0.076N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Epididymis				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	3/42.83	4/42.38	3/40.97	0/43.73
POLY-3 PERCENT (g)	7%	9.4%	7.3%	0%
TERMINAL (d)	0/27 (0%)	4/30 (13%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	703	729 (T)	626	---
STATISTICAL TESTS				
POLY 3	P=0.057N	P=0.494	P=0.643	P=0.115N
POLY 1.5	P=0.059N	P=0.493	P=0.651	P=0.116N
POLY 6	P=0.055N	P=0.499	P=0.628	P=0.112N
COCH-ARM / FISHERS	P=0.063N	P=0.500	P=0.661N	P=0.121N
MAX-ISO-POLY-3	P=0.083N	P=0.342	P=0.477	P=0.038N*

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 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Eye				
Cataract				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.54	0/42.38	1/40.71	2/44.47
POLY-3 PERCENT (g)	2.4%	0%	2.5%	4.5%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	---	704	468
STATISTICAL TESTS				
POLY 3	P=0.249	P=0.501N	P=0.751	P=0.515
POLY 1.5	P=0.245	P=0.502N	P=0.755	P=0.509
POLY 6	P=0.253	P=0.498N	P=0.745	P=0.524
COCH-ARM / FISHERS	P=0.235	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.255	P=0.159N	P=0.487	P=0.297

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Eye: Retina Degeneration				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	3/42.65	0/42.38	3/41.42	6/44.47
POLY-3 PERCENT (g)	7%	0%	7.2%	13.5%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	0/22 (0%)	5/30 (17%)
FIRST INCIDENCE	703	---	554	468
STATISTICAL TESTS				
POLY 3	P=0.040*	P=0.119N	P=0.650	P=0.262
POLY 1.5	P=0.039*	P=0.120N	P=0.655	P=0.254
POLY 6	P=0.042*	P=0.116N	P=0.641	P=0.272
COCH-ARM / FISHERS	P=0.037*	P=0.121N	P=0.661N	P=0.243
MAX-ISO-POLY-3	P=0.055	P=0.039N*	P=0.485	P=0.167

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Harderian Gland Hyperplasia Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.54	0/42.38	1/40.61	1/43.73
POLY-3 PERCENT (g)	2.4%	0%	2.5%	2.3%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.560	P=0.501N	P=0.751	P=0.755N
POLY 1.5	P=0.557	P=0.502N	P=0.755	P=0.757N
POLY 6	P=0.562	P=0.498N	P=0.743	P=0.751N
COCH-ARM / FISHERS	P=0.550	P=0.500N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.537	P=0.159N	P=0.486	P=0.491N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Harderian Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.54	2/42.65	1/40.61	0/43.73
POLY-3 PERCENT (g)	2.4%	4.7%	2.5%	0%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	657	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.228N	P=0.501	P=0.751	P=0.494N
POLY 1.5	P=0.231N	P=0.498	P=0.755	P=0.497N
POLY 6	P=0.223N	P=0.508	P=0.743	P=0.491N
COCH-ARM / FISHERS	P=0.235N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.232N	P=0.281	P=0.486	P=0.158N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	45/50 (90%)	42/50 (84%)	46/50 (92%)	45/50 (90%)
POLY-3 RATE (b)	45/47.87	42/46.57	46/48.82	45/48.02
POLY-3 PERCENT (g)	94%	90.2%	94.2%	93.7%
TERMINAL (d)	26/27 (96%)	29/30 (97%)	21/22 (96%)	29/30 (97%)
FIRST INCIDENCE	537	306	362	468
STATISTICAL TESTS				
POLY 3	P=0.497	P=0.362N	P=0.668	P=0.659N
POLY 1.5	P=0.463	P=0.314N	P=0.614	P=0.641N
POLY 6	P=0.566	P=0.479N	P=0.700	P=0.678N
COCH-ARM / FISHERS	P=0.410	P=0.277N	P=0.500	P=0.630N
MAX-ISO-POLY-3	P=0.541	P=0.216N	P=0.477	P=0.471N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Heart Thrombosis				
LESION RATES				
OVERALL (a)	5/50 (10%)	8/50 (16%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	5/42.75	8/43.72	3/41.11	3/43.96
POLY-3 PERCENT (g)	11.7%	18.3%	7.3%	6.8%
TERMINAL (d)	3/27 (11%)	2/30 (7%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	703	591	632	694
STATISTICAL TESTS				
POLY 3	P=0.140N	P=0.288	P=0.377N	P=0.340N
POLY 1.5	P=0.145N	P=0.278	P=0.368N	P=0.348N
POLY 6	P=0.134N	P=0.312	P=0.392N	P=0.330N
COCH-ARM / FISHERS	P=0.154N	P=0.277	P=0.357N	P=0.357N
MAX-ISO-POLY-3	P=0.182N	P=0.198	P=0.252N	P=0.221N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Intestine Large, Cecum Edema				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/49 (4%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/42.78	2/42.52	2/40.50	1/43.79
POLY-3 PERCENT (g)	7%	4.7%	4.9%	2.3%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	694	591	690	716
STATISTICAL TESTS				
POLY 3	P=0.259N	P=0.503N	P=0.525N	P=0.297N
POLY 1.5	P=0.261N	P=0.509N	P=0.517N	P=0.300N
POLY 6	P=0.257N	P=0.490N	P=0.539N	P=0.291N
COCH-ARM / FISHERS	P=0.265N	P=0.510N	P=0.510N	P=0.309N
MAX-ISO-POLY-3	P=0.248N	P=0.326N	P=0.348N	P=0.150N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Intestine Small, Duodenum: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	4/49 (8%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	4/42.88	0/42.38	3/41.14	0/43.73
POLY-3 PERCENT (g)	9.3%	0%	7.3%	0%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	480	---	626	---
STATISTICAL TESTS				
POLY 3	P=0.106N	P=0.061N	P=0.523N	P=0.057N
POLY 1.5	P=0.108N	P=0.061N	P=0.508N	P=0.058N
POLY 6	P=0.105N	P=0.061N	P=0.543N	P=0.057N
COCH-ARM / FISHERS	P=0.116N	P=0.056N	P=0.489N	P=0.056N
MAX-ISO-POLY-3	P=0.021N*	P=0.021N*	P=0.371N	P=0.019N*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	4/49 (8%)	4/50 (8%)	6/49 (12%)	2/50 (4%)
POLY-3 RATE (b)	4/42.83	4/42.55	6/41.17	2/43.97
POLY-3 PERCENT (g)	9.3%	9.4%	14.6%	4.6%
TERMINAL (d)	1/27 (4%)	3/30 (10%)	3/22 (14%)	1/30 (3%)
FIRST INCIDENCE	590	687	554	667
STATISTICAL TESTS				
POLY 3	P=0.232N	P=0.640	P=0.344	P=0.325N
POLY 1.5	P=0.236N	P=0.643	P=0.356	P=0.326N
POLY 6	P=0.229N	P=0.641	P=0.325	P=0.323N
COCH-ARM / FISHERS	P=0.245N	P=0.631N	P=0.370	P=0.329N
MAX-ISO-POLY-3	P=0.241N	P=0.495	P=0.235	P=0.192N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	2/42.40	2/40.61	0/43.73
POLY-3 PERCENT (g)	0%	4.7%	4.9%	0%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	---	726	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.374N	P=0.236	P=0.226	(e)
POLY 1.5	P=0.379N	P=0.235	P=0.231	(e)
POLY 6	P=0.367N	P=0.239	P=0.219	(e)
COCH-ARM / FISHERS	P=0.386N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.269N	P=0.076	P=0.075	(e)

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Infarct				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.82	0/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	653	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.468N	P=0.502N	P=0.511N	P=0.496N
POLY 1.5	P=0.469N	P=0.502N	P=0.506N	P=0.498N
POLY 6	P=0.468N	P=0.500N	P=0.518N	P=0.493N
COCH-ARM / FISHERS	P=0.471N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.126N	P=0.161N	P=0.172N	P=0.158N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.54	1/42.38	0/40.61	3/43.73
POLY-3 PERCENT (g)	0%	2.4%	0%	6.9%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/22 (0%)	3/30 (10%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.042*	P=0.499	(e)	P=0.123
POLY 1.5	P=0.042*	P=0.498	(e)	P=0.121
POLY 6	P=0.043*	P=0.502	(e)	P=0.126
COCH-ARM / FISHERS	P=0.041*	P=0.500	(e)	P=0.121
MAX-ISO-POLY-3	P=0.028*	P=0.158	(e)	P=0.042*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	19/50 (38%)	14/50 (28%)	16/50 (32%)	16/50 (32%)
POLY-3 RATE (b)	19/42.54	14/42.38	16/40.91	16/43.73
POLY-3 PERCENT (g)	44.7%	33%	39.1%	36.6%
TERMINAL (d)	19/27 (70%)	14/30 (47%)	14/22 (64%)	16/30 (53%)
FIRST INCIDENCE	729 (T)	729 (T)	673	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.406N	P=0.184N	P=0.382N	P=0.289N
POLY 1.5	P=0.426N	P=0.197N	P=0.361N	P=0.310N
POLY 6	P=0.380N	P=0.159N	P=0.416N	P=0.255N
COCH-ARM / FISHERS	P=0.461N	P=0.198N	P=0.338N	P=0.338N
MAX-ISO-POLY-3	P=0.335N	P=0.130N	P=0.302N	P=0.221N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	44/50 (88%)	47/50 (94%)	46/50 (92%)	47/50 (94%)
POLY-3 RATE (b)	44/46.92	47/47.66	46/48.34	47/48.54
POLY-3 PERCENT (g)	93.8%	98.6%	95.2%	96.8%
TERMINAL (d)	27/27 (100%)	30/30 (100%)	21/22 (96%)	30/30 (100%)
FIRST INCIDENCE	537	480	467	468
STATISTICAL TESTS				
POLY 3	P=0.504	P=0.179	P=0.573	P=0.391
POLY 1.5	P=0.413	P=0.163	P=0.463	P=0.306
POLY 6	P=0.656	P=0.311	P=0.759	P=0.598
COCH-ARM / FISHERS	P=0.301	P=0.243	P=0.370	P=0.243
MAX-ISO-POLY-3	P=0.283	P=0.052	P=0.362	P=0.193

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney: Renal Tubule Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney: Renal Tubule Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	1/44.47
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	468
STATISTICAL TESTS				
POLY 3	P=0.223	(e)	(e)	P=0.509
POLY 1.5	P=0.220	(e)	(e)	P=0.505
POLY 6	P=0.225	(e)	(e)	P=0.514
COCH-ARM / FISHERS	P=0.215	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.142	(e)	(e)	P=0.169

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	1/42.38	0/40.61	1/43.73
POLY-3 PERCENT (g)	0%	2.4%	0%	2.3%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.467	P=0.499	(e)	P=0.506
POLY 1.5	P=0.464	P=0.498	(e)	P=0.503
POLY 6	P=0.473	P=0.502	(e)	P=0.509
COCH-ARM / FISHERS	P=0.459	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.268	P=0.158	(e)	P=0.165

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	20/50 (40%)	23/50 (46%)	19/50 (38%)	27/50 (54%)
POLY-3 RATE (b)	20/43.57	23/43.56	19/42.35	27/44.51
POLY-3 PERCENT (g)	45.9%	52.8%	44.9%	60.7%
TERMINAL (d)	17/27 (63%)	21/30 (70%)	12/22 (55%)	25/30 (83%)
FIRST INCIDENCE	537	530	554	562
STATISTICAL TESTS				
POLY 3	P=0.104	P=0.329	P=0.549N	P=0.110
POLY 1.5	P=0.106	P=0.325	P=0.528N	P=0.112
POLY 6	P=0.101	P=0.345	P=0.577N	P=0.109
COCH-ARM / FISHERS	P=0.105	P=0.343	P=0.500N	P=0.115
MAX-ISO-POLY-3	P=0.122	P=0.254	P=0.460N	P=0.075

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	16/50 (32%)	19/50 (38%)	14/50 (28%)	10/50 (20%)
POLY-3 RATE (b)	16/42.54	19/42.38	14/40.61	10/43.73
POLY-3 PERCENT (g)	37.6%	44.8%	34.5%	22.9%
TERMINAL (d)	16/27 (59%)	19/30 (63%)	14/22 (64%)	10/30 (33%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.027N*	P=0.321	P=0.472N	P=0.100N
POLY 1.5	P=0.034N*	P=0.319	P=0.444N	P=0.111N
POLY 6	P=0.020N*	P=0.337	P=0.518N	P=0.084N
COCH-ARM / FISHERS	P=0.047N*	P=0.338	P=0.414N	P=0.127N
MAX-ISO-POLY-3	P=0.044N*	P=0.245	P=0.382N	P=0.066N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Degeneration Cystic				
LESION RATES				
OVERALL (a)	4/50 (8%)	4/50 (8%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	4/42.54	4/42.65	3/40.71	1/43.73
POLY-3 PERCENT (g)	9.4%	9.4%	7.4%	2.3%
TERMINAL (d)	4/27 (15%)	3/30 (10%)	2/22 (9%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	659	704	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.107N	P=0.643N	P=0.524N	P=0.170N
POLY 1.5	P=0.111N	P=0.640	P=0.513N	P=0.174N
POLY 6	P=0.103N	P=0.632N	P=0.541N	P=0.163N
COCH-ARM / FISHERS	P=0.116N	P=0.643N	P=0.500N	P=0.181N
MAX-ISO-POLY-3	P=0.162N	P=0.498N	P=0.371N	P=0.081N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	10/50 (20%)	5/50 (10%)	2/50 (4%)	8/50 (16%)
POLY-3 RATE (b)	10/43.07	5/42.61	2/41.10	8/44.49
POLY-3 PERCENT (g)	23.2%	11.7%	4.9%	18%
TERMINAL (d)	8/27 (30%)	4/30 (13%)	0/22 (0%)	5/30 (17%)
FIRST INCIDENCE	653	670	630	632
STATISTICAL TESTS				
POLY 3	P=0.563	P=0.131N	P=0.016N*	P=0.366N
POLY 1.5	P=0.551	P=0.134N	P=0.015N*	P=0.380N
POLY 6	P=0.574N	P=0.123N	P=0.017N*	P=0.345N
COCH-ARM / FISHERS	P=0.531	P=0.131N	P=0.014N*	P=0.398N
MAX-ISO-POLY-3	P=0.099N	P=0.080N	P=0.008N**	P=0.276N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	1/44.47
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	468
STATISTICAL TESTS				
POLY 3	P=0.223	(e)	(e)	P=0.509
POLY 1.5	P=0.220	(e)	(e)	P=0.505
POLY 6	P=0.225	(e)	(e)	P=0.514
COCH-ARM / FISHERS	P=0.215	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.142	(e)	(e)	P=0.169

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
LESION RATES				
OVERALL (a)	3/50 (6%)	9/50 (18%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	3/42.73	9/43.59	6/42.56	7/45.13
POLY-3 PERCENT (g)	7%	20.7%	14.1%	15.5%
TERMINAL (d)	1/27 (4%)	5/30 (17%)	2/22 (9%)	3/30 (10%)
FIRST INCIDENCE	703	591	467	449
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.407	P=0.062	P=0.238	P=0.179
POLY 1.5	P=0.390	P=0.059	P=0.241	P=0.170
POLY 6	P=0.431	P=0.068	P=0.232	P=0.192
COCH-ARM / FISHERS	P=0.362	P=0.061	P=0.243	P=0.159
MAX-ISO-POLY-3	P=0.163	P=0.033*	P=0.144	P=0.110

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Infiltration Cellular Mixed Cell				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/42.54	2/42.38	4/40.68	2/43.73
POLY-3 PERCENT (g)	4.7%	4.7%	9.8%	4.6%
TERMINAL (d)	2/27 (7%)	2/30 (7%)	3/22 (14%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	710	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.574N	P=0.693	P=0.316	P=0.684N
POLY 1.5	P=0.580N	P=0.691	P=0.326	P=0.688N
POLY 6	P=0.567N	P=0.690N	P=0.301	P=0.678N
COCH-ARM / FISHERS	P=0.592N	P=0.691N	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.509	P=0.498	P=0.189	P=0.488N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	7/50 (14%)	8/50 (16%)	8/50 (16%)	12/50 (24%)
POLY-3 RATE (b)	7/42.80	8/42.43	8/41.40	12/43.87
POLY-3 PERCENT (g)	16.4%	18.9%	19.3%	27.4%
TERMINAL (d)	6/27 (22%)	7/30 (23%)	5/22 (23%)	11/30 (37%)
FIRST INCIDENCE	659	718	590	694
STATISTICAL TESTS				
POLY 3	P=0.117	P=0.493	P=0.472	P=0.162
POLY 1.5	P=0.115	P=0.490	P=0.484	P=0.158
POLY 6	P=0.121	P=0.502	P=0.452	P=0.168
COCH-ARM / FISHERS	P=0.108	P=0.500	P=0.500	P=0.154
MAX-ISO-POLY-3	P=0.165	P=0.380	P=0.362	P=0.108

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Necrosis Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.54	1/42.50	0/40.61	2/44.77
POLY-3 PERCENT (g)	2.4%	2.4%	0%	4.5%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	701	---	449
STATISTICAL TESTS				
POLY 3	P=0.348	P=0.761	P=0.509N	P=0.518
POLY 1.5	P=0.342	P=0.759	P=0.505N	P=0.510
POLY 6	P=0.355	P=0.757N	P=0.516N	P=0.528
COCH-ARM / FISHERS	P=0.332	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.311	P=0.499	P=0.170N	P=0.300

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Bile Duct Hyperplasia				
LESION RATES				
OVERALL (a)	40/50 (80%)	31/50 (62%)	29/50 (58%)	37/50 (74%)
POLY-3 RATE (b)	40/47.34	31/45.99	29/44.78	37/45.89
POLY-3 PERCENT (g)	84.5%	67.4%	64.8%	80.6%
TERMINAL (d)	23/27 (85%)	20/30 (67%)	13/22 (59%)	26/30 (87%)
FIRST INCIDENCE	480	480	534	632
STATISTICAL TESTS				
POLY 3	P=0.384	P=0.037N*	P=0.018N*	P=0.407N
POLY 1.5	P=0.423	P=0.039N*	P=0.015N*	P=0.363N
POLY 6	P=0.334	P=0.031N*	P=0.024N*	P=0.461N
COCH-ARM / FISHERS	P=0.452	P=0.038N*	P=0.015N*	P=0.318N
MAX-ISO-POLY-3	P=0.091N	P=0.022N*	P=0.011N*	P=0.301N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<hr/>				
Liver: Centrilobular Necrosis				
<hr/>				
LESION RATES				
OVERALL (a)	3/50 (6%)	5/50 (10%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	3/43.19	5/43.92	4/41.93	3/44.05
POLY-3 PERCENT (g)	7%	11.4%	9.5%	6.8%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	601	591	554	659
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.435N	P=0.365	P=0.484	P=0.654N
POLY 1.5	P=0.439N	P=0.357	P=0.491	P=0.657N
POLY 6	P=0.432N	P=0.382	P=0.473	P=0.648N
COCH-ARM / FISHERS	P=0.446N	P=0.357	P=0.500	P=0.661N
MAX-ISO-POLY-3	P=0.540N	P=0.240	P=0.334	P=0.489N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Hepatocyte Hyperplasia Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/42.54	1/42.38	1/41.22	2/43.79
POLY-3 PERCENT (g)	2.4%	2.4%	2.4%	4.6%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	534	716
STATISTICAL TESTS				
POLY 3	P=0.373	P=0.760	P=0.754	P=0.510
POLY 1.5	P=0.369	P=0.759	P=0.757	P=0.506
POLY 6	P=0.378	P=0.758N	P=0.749	P=0.517
COCH-ARM / FISHERS	P=0.361	P=0.753N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.441	P=0.498	P=0.490	P=0.292

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Hepatocyte Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	9/50 (18%)	6/50 (12%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	9/43.95	6/43.83	6/41.85	6/44.28
POLY-3 PERCENT (g)	20.5%	13.7%	14.3%	13.6%
TERMINAL (d)	4/27 (15%)	2/30 (7%)	2/22 (9%)	5/30 (17%)
FIRST INCIDENCE	554	306	467	562
STATISTICAL TESTS				
POLY 3	P=0.334N	P=0.287N	P=0.321N	P=0.280N
POLY 1.5	P=0.337N	P=0.289N	P=0.305N	P=0.283N
POLY 6	P=0.331N	P=0.282N	P=0.348N	P=0.277N
COCH-ARM / FISHERS	P=0.345N	P=0.288N	P=0.288N	P=0.288N
MAX-ISO-POLY-3	P=0.298N	P=0.199N	P=0.232N	P=0.194N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung Edema				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	3/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	0%	7.1%	0%	0%
TERMINAL (d)	0/27 (0%)	3/30 (10%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.257N	P=0.117	(e)	(e)
POLY 1.5	P=0.261N	P=0.117	(e)	(e)
POLY 6	P=0.249N	P=0.120	(e)	(e)
COCH-ARM / FISHERS	P=0.266N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.169N	P=0.038*	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/42.87	2/42.50	1/40.61	1/43.73
POLY-3 PERCENT (g)	4.7%	4.7%	2.5%	2.3%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	639	701	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.375N	P=0.691	P=0.519N	P=0.493N
POLY 1.5	P=0.378N	P=0.690	P=0.510N	P=0.496N
POLY 6	P=0.371N	P=0.694N	P=0.533N	P=0.489N
COCH-ARM / FISHERS	P=0.383N	P=0.691N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.441N	P=0.496	P=0.301N	P=0.276N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	14/50 (28%)	15/50 (30%)	17/50 (34%)	22/50 (44%)
POLY-3 RATE (b)	14/44.28	15/44.33	17/43.93	22/45.79
POLY-3 PERCENT (g)	31.6%	33.8%	38.7%	48%
TERMINAL (d)	8/27 (30%)	9/30 (30%)	7/22 (32%)	14/30 (47%)
FIRST INCIDENCE	480	591	467	562
STATISTICAL TESTS				
POLY 3	P=0.050*	P=0.501	P=0.316	P=0.080
POLY 1.5	P=0.047*	P=0.490	P=0.323	P=0.075
POLY 6	P=0.056	P=0.534	P=0.307	P=0.093
COCH-ARM / FISHERS	P=0.044*	P=0.500	P=0.333	P=0.072
MAX-ISO-POLY-3	P=0.080	P=0.409	P=0.242	P=0.054

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	13/50 (26%)	7/50 (14%)	9/50 (18%)
POLY-3 RATE (b)	4/42.68	13/43.93	7/41.56	9/45.78
POLY-3 PERCENT (g)	9.4%	29.6%	16.8%	19.7%
TERMINAL (d)	3/27 (11%)	10/30 (33%)	3/22 (14%)	6/30 (20%)
FIRST INCIDENCE	694	480	467	449
STATISTICAL TESTS				
POLY 3	P=0.469	P=0.015*	P=0.243	P=0.142
POLY 1.5	P=0.441	P=0.015*	P=0.252	P=0.132
POLY 6	P=0.503	P=0.017*	P=0.228	P=0.156
COCH-ARM / FISHERS	P=0.398	P=0.016*	P=0.262	P=0.117
MAX-ISO-POLY-3	P=0.106	P=0.008**	P=0.157	P=0.092

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/42.54	2/42.85	2/41.31	4/44.43
POLY-3 PERCENT (g)	0%	4.7%	4.8%	9%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/22 (0%)	2/30 (7%)
FIRST INCIDENCE	---	591	554	522
STATISTICAL TESTS				
POLY 3	P=0.067	P=0.238	P=0.230	P=0.066
POLY 1.5	P=0.064	P=0.236	P=0.233	P=0.063
POLY 6	P=0.070	P=0.243	P=0.225	P=0.069
COCH-ARM / FISHERS	P=0.061	P=0.247	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.039*	P=0.077	P=0.075	P=0.024*

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<hr/>				
Lung Pigmentation				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	0/40.61	0/43.73
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	0/42.54	0/42.38	4/42.25	8/44.72
POLY-3 PERCENT (g)	0%	0%	9.5%	17.9%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	5/30 (17%)
FIRST INCIDENCE	---	---	467	449
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.059	P=0.004**
POLY 1.5	P<0.001**	(e)	P=0.060	P=0.004**
POLY 6	P<0.001**	(e)	P=0.057	P=0.005**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.059	P=0.003**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.019*	P=0.002**

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	2/42.40	0/40.61	0/43.73
POLY-3 PERCENT (g)	0%	4.7%	0%	0%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	726	---	---
STATISTICAL TESTS				
POLY 3	P=0.374N	P=0.236	(e)	(e)
POLY 1.5	P=0.378N	P=0.235	(e)	(e)
POLY 6	P=0.367N	P=0.239	(e)	(e)
COCH-ARM / FISHERS	P=0.380N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.253N	P=0.076	(e)	(e)

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Ectasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	2/50 (4%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	5/42.65	2/42.38	3/41.62	5/43.83
POLY-3 PERCENT (g)	11.7%	4.7%	7.2%	11.4%
TERMINAL (d)	4/27 (15%)	2/30 (7%)	1/22 (5%)	4/30 (13%)
FIRST INCIDENCE	703	729 (T)	362	704
STATISTICAL TESTS				
POLY 3	P=0.391	P=0.217N	P=0.369N	P=0.614N
POLY 1.5	P=0.385	P=0.220N	P=0.362N	P=0.620N
POLY 6	P=0.398	P=0.211N	P=0.383N	P=0.603N
COCH-ARM / FISHERS	P=0.372	P=0.218N	P=0.357N	P=0.630N
MAX-ISO-POLY-3	P=0.423N	P=0.121N	P=0.243N	P=0.481N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	4/42.98	3/42.38	4/41.17	8/44.37
POLY-3 PERCENT (g)	9.3%	7.1%	9.7%	18%
TERMINAL (d)	3/27 (11%)	3/30 (10%)	3/22 (14%)	5/30 (17%)
FIRST INCIDENCE	601	729 (T)	554	657
STATISTICAL TESTS				
POLY 3	P=0.070	P=0.508N	P=0.620	P=0.191
POLY 1.5	P=0.067	P=0.508N	P=0.631	P=0.185
POLY 6	P=0.074	P=0.503N	P=0.603	P=0.201
COCH-ARM / FISHERS	P=0.062	P=0.500N	P=0.643N	P=0.178
MAX-ISO-POLY-3	P=0.112	P=0.354N	P=0.474	P=0.121

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	3/50 (6%)	12/50 (24%)	7/50 (14%)	11/50 (22%)
POLY-3 RATE (b)	3/43.98	12/43.54	7/42.46	11/44.20
POLY-3 PERCENT (g)	6.8%	27.6%	16.5%	24.9%
TERMINAL (d)	1/27 (4%)	10/30 (33%)	4/22 (18%)	9/30 (30%)
FIRST INCIDENCE	368	306	362	667
STATISTICAL TESTS				
POLY 3	P=0.114	P=0.009**	P=0.141	P=0.019*
POLY 1.5	P=0.113	P=0.009**	P=0.149	P=0.019*
POLY 6	P=0.119	P=0.009**	P=0.129	P=0.019*
COCH-ARM / FISHERS	P=0.118	P=0.011*	P=0.159	P=0.020*
MAX-ISO-POLY-3	P=0.021*	P=0.004**	P=0.082	P=0.009**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Pigmentation				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.83	1/42.38	1/40.61	0/43.73
POLY-3 PERCENT (g)	4.7%	2.4%	2.5%	0%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	650	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.187N	P=0.504N	P=0.519N	P=0.232N
POLY 1.5	P=0.189N	P=0.504N	P=0.510N	P=0.234N
POLY 6	P=0.185N	P=0.500N	P=0.532N	P=0.229N
COCH-ARM / FISHERS	P=0.193N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.124N	P=0.284N	P=0.300N	P=0.076N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Deep Cervical Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	1/25 (4%)	0/30 (0%)	3/21 (14%)	0/26 (0%)
POLY-3 RATE (b)	1/22.18	0/25.71	3/18.94	0/22.92
POLY-3 PERCENT (g)	4.5%	0%	15.8%	0%
TERMINAL (d)	1/14 (7%)	0/16 (0%)	0/10 (0%)	0/13 (0%)
FIRST INCIDENCE	729 (T)	---	657	---
STATISTICAL TESTS				
POLY 3	P=0.444N	P=0.470N	P=0.244	P=0.493N
POLY 1.5	P=0.446N	P=0.467N	P=0.243	P=0.493N
POLY 6	P=0.444N	P=0.474N	P=0.247	P=0.496N
COCH-ARM / FISHERS	P=0.453N	P=0.455N	P=0.240	P=0.490N
MAX-ISO-POLY-3	P=0.260N	P=0.146N	P=0.119	P=0.156N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Ectasia				
LESION RATES				
OVERALL (a)	2/25 (8%)	6/30 (20%)	3/21 (14%)	2/26 (8%)
POLY-3 RATE (b)	2/22.32	6/26.49	3/18.89	2/22.92
POLY-3 PERCENT (g)	9%	22.7%	15.9%	8.7%
TERMINAL (d)	1/14 (7%)	3/16 (19%)	1/10 (10%)	2/13 (15%)
FIRST INCIDENCE	694	591	632	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.322N	P=0.183	P=0.422	P=0.687N
POLY 1.5	P=0.319N	P=0.187	P=0.421	P=0.684N
POLY 6	P=0.330N	P=0.180	P=0.421	P=0.695N
COCH-ARM / FISHERS	P=0.317N	P=0.193	P=0.415	P=0.680N
MAX-ISO-POLY-3	P=0.377N	P=0.106	P=0.259	P=0.488N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Hemorrhage				
LESION RATES				
OVERALL (a)	3/25 (12%)	9/30 (30%)	8/21 (38%)	4/26 (15%)
POLY-3 RATE (b)	3/22.44	9/27.70	8/19.06	4/23.40
POLY-3 PERCENT (g)	13.4%	32.5%	42%	17.1%
TERMINAL (d)	2/14 (14%)	4/16 (25%)	5/10 (50%)	2/13 (15%)
FIRST INCIDENCE	659	480	632	632
STATISTICAL TESTS				
POLY 3	P=0.374N	P=0.103	P=0.036*	P=0.524
POLY 1.5	P=0.371N	P=0.102	P=0.037*	P=0.524
POLY 6	P=0.380N	P=0.105	P=0.034*	P=0.522
COCH-ARM / FISHERS	P=0.372N	P=0.099	P=0.042*	P=0.523
MAX-ISO-POLY-3	P=0.160	P=0.065	P=0.018*	P=0.365

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	2/25 (8%)	8/30 (27%)	7/21 (33%)	6/26 (23%)
POLY-3 RATE (b)	2/22.18	8/27.02	7/19.26	6/23.87
POLY-3 PERCENT (g)	9%	29.6%	36.4%	25.1%
TERMINAL (d)	2/14 (14%)	4/16 (25%)	3/10 (30%)	2/13 (15%)
FIRST INCIDENCE	729 (T)	554	626	632
STATISTICAL TESTS				
POLY 3	P=0.363	P=0.072	P=0.034*	P=0.144
POLY 1.5	P=0.351	P=0.072	P=0.033*	P=0.141
POLY 6	P=0.382	P=0.073	P=0.035*	P=0.151
COCH-ARM / FISHERS	P=0.337	P=0.073	P=0.037*	P=0.137
MAX-ISO-POLY-3	P=0.082	P=0.041*	P=0.015*	P=0.078

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Lymph Node: Mediastinal
Pigmentation

LESION RATES

OVERALL (a)	1/25 (4%)	3/30 (10%)	3/21 (14%)	1/26 (4%)
POLY-3 RATE (b)	1/22.18	3/25.73	3/18.44	1/22.92
POLY-3 PERCENT (g)	4.5%	11.7%	16.3%	4.4%
TERMINAL (d)	1/14 (7%)	2/16 (13%)	2/10 (20%)	1/13 (8%)
FIRST INCIDENCE	729 (T)	726	694	729 (T)

STATISTICAL TESTS

POLY 3	P=0.430N	P=0.357	P=0.235	P=0.754N
POLY 1.5	P=0.430N	P=0.363	P=0.238	P=0.753N
POLY 6	P=0.433N	P=0.349	P=0.229	P=0.757N
COCH-ARM / FISHERS	P=0.432N	P=0.378	P=0.240	P=0.745N
MAX-ISO-POLY-3	P=0.380N	P=0.194	P=0.116	P=0.490N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Ectasia				
LESION RATES				
OVERALL (a)	3/25 (12%)	3/30 (10%)	2/21 (10%)	5/26 (19%)
POLY-3 RATE (b)	3/22.28	3/25.71	2/18.30	5/23.18
POLY-3 PERCENT (g)	13.5%	11.7%	10.9%	21.6%
TERMINAL (d)	2/14 (14%)	3/16 (19%)	2/10 (20%)	4/13 (31%)
FIRST INCIDENCE	703	729 (T)	729 (T)	658
STATISTICAL TESTS				
POLY 3	P=0.225	P=0.598N	P=0.592N	P=0.372
POLY 1.5	P=0.224	P=0.588N	P=0.585N	P=0.374
POLY 6	P=0.226	P=0.610N	P=0.604N	P=0.367
COCH-ARM / FISHERS	P=0.217	P=0.573N	P=0.585N	P=0.374
MAX-ISO-POLY-3	P=0.298	P=0.426N	P=0.408N	P=0.241

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Hemorrhage				
LESION RATES				
OVERALL (a)	0/25 (0%)	3/30 (10%)	2/21 (10%)	0/26 (0%)
POLY-3 RATE (b)	0/22.18	3/25.76	2/18.57	0/22.92
POLY-3 PERCENT (g)	0%	11.7%	10.8%	0%
TERMINAL (d)	0/14 (0%)	2/16 (13%)	1/10 (10%)	0/13 (0%)
FIRST INCIDENCE	---	718	657	---
STATISTICAL TESTS				
POLY 3	P=0.301N	P=0.141	P=0.194	(e)
POLY 1.5	P=0.299N	P=0.145	P=0.195	(e)
POLY 6	P=0.304N	P=0.137	P=0.192	(e)
COCH-ARM / FISHERS	P=0.301N	P=0.155	P=0.203	(e)
MAX-ISO-POLY-3	P=0.218N	P=0.051	P=0.063	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/25 (0%)	2/30 (7%)	0/21 (0%)	2/26 (8%)
POLY-3 RATE (b)	0/22.18	2/25.71	0/18.30	2/22.92
POLY-3 PERCENT (g)	0%	7.8%	0%	8.7%
TERMINAL (d)	0/14 (0%)	2/16 (13%)	0/10 (0%)	2/13 (15%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.272	P=0.268	(e)	P=0.241
POLY 1.5	P=0.273	P=0.272	(e)	P=0.243
POLY 6	P=0.268	P=0.263	(e)	P=0.238
COCH-ARM / FISHERS	P=0.274	P=0.293	(e)	P=0.255
MAX-ISO-POLY-3	P=0.126	P=0.095	(e)	P=0.078

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Pigmentation				
LESION RATES				
OVERALL (a)	0/25 (0%)	2/30 (7%)	1/21 (5%)	0/26 (0%)
POLY-3 RATE (b)	0/22.18	2/25.76	1/18.30	0/22.92
POLY-3 PERCENT (g)	0%	7.8%	5.5%	0%
TERMINAL (d)	0/14 (0%)	1/16 (6%)	1/10 (10%)	0/13 (0%)
FIRST INCIDENCE	---	718	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.397N	P=0.269	P=0.462	(e)
POLY 1.5	P=0.395N	P=0.272	P=0.464	(e)
POLY 6	P=0.400N	P=0.264	P=0.457	(e)
COCH-ARM / FISHERS	P=0.394N	P=0.293	P=0.457	(e)
MAX-ISO-POLY-3	P=0.325N	P=0.096	P=0.146	(e)

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	32/48 (67%)	33/49 (67%)	30/48 (63%)	38/49 (78%)
POLY-3 RATE (b)	32/43.79	33/43.41	30/43.20	38/46.67
POLY-3 PERCENT (g)	73.1%	76%	69.4%	81.4%
TERMINAL (d)	19/25 (76%)	25/29 (86%)	12/20 (60%)	24/30 (80%)
FIRST INCIDENCE	554	530	554	522
STATISTICAL TESTS				
POLY 3	P=0.189	P=0.470	P=0.443N	P=0.232
POLY 1.5	P=0.152	P=0.497	P=0.431N	P=0.198
POLY 6	P=0.261	P=0.432	P=0.455N	P=0.293
COCH-ARM / FISHERS	P=0.114	P=0.557	P=0.416N	P=0.166
MAX-ISO-POLY-3	P=0.264	P=0.368	P=0.347N	P=0.166

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/49 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/40.54	0/41.38	0/38.61	0/43.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/29 (0%)	0/20 (0%)	0/30 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mesentery				
Accessory Spleen				
LESION RATES				
OVERALL (a)	3/15 (20%)	1/14 (7%)	0/7 (0%)	3/12 (25%)
POLY-3 RATE (b)	3/13.79	1/13.26	0/6.47	3/11.80
POLY-3 PERCENT (g)	21.8%	7.5%	0%	25.4%
TERMINAL (d)	3/10 (30%)	0/8 (0%)	0/4 (0%)	1/8 (13%)
FIRST INCIDENCE	729 (T)	613	---	633
STATISTICAL TESTS				
POLY 3	P=0.337	P=0.311N	P=0.270N	P=0.596
POLY 1.5	P=0.329	P=0.316N	P=0.271N	P=0.579
POLY 6	P=0.350	P=0.304N	P=0.270N	P=0.620
COCH-ARM / FISHERS	P=0.319	P=0.326N	P=0.295N	P=0.557
MAX-ISO-POLY-3	P=0.290	P=0.152N	P=0.135N	P=0.416

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	9/15 (60%)	8/14 (57%)	6/7 (86%)	8/12 (67%)
POLY-3 RATE (b)	9/14.51	8/13.54	6/6.95	8/11.39
POLY-3 PERCENT (g)	62%	59.1%	86.4%	70.2%
TERMINAL (d)	6/10 (60%)	5/8 (63%)	4/4 (100%)	6/8 (75%)
FIRST INCIDENCE	616	659	659	694
STATISTICAL TESTS				
POLY 3	P=0.379	P=0.588N	P=0.257	P=0.492
POLY 1.5	P=0.396	P=0.586N	P=0.250	P=0.505
POLY 6	P=0.348	P=0.592N	P=0.267	P=0.468
COCH-ARM / FISHERS	P=0.412	P=0.587N	P=0.243	P=0.519
MAX-ISO-POLY-3	P=0.349	P=0.437N	P=0.158	P=0.341

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	23/50 (46%)	21/49 (43%)	21/50 (42%)	24/50 (48%)
POLY-3 RATE (b)	23/45.14	21/44.20	21/43.65	24/45.19
POLY-3 PERCENT (g)	51%	47.5%	48.1%	53.1%
TERMINAL (d)	15/27 (56%)	13/30 (43%)	13/22 (59%)	16/30 (53%)
FIRST INCIDENCE	537	480	554	632
STATISTICAL TESTS				
POLY 3	P=0.391	P=0.454N	P=0.477N	P=0.502
POLY 1.5	P=0.395	P=0.466N	P=0.451N	P=0.501
POLY 6	P=0.389	P=0.424N	P=0.517N	P=0.515
COCH-ARM / FISHERS	P=0.392	P=0.455N	P=0.420N	P=0.500
MAX-ISO-POLY-3	P=0.539	P=0.370N	P=0.392N	P=0.415

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose				
Fungus				
LESION RATES				
OVERALL (a)	2/50 (4%)	9/49 (18%)	11/50 (22%)	12/50 (24%)
POLY-3 RATE (b)	2/42.99	9/43.12	11/42.00	12/44.67
POLY-3 PERCENT (g)	4.7%	20.9%	26.2%	26.9%
TERMINAL (d)	0/27 (0%)	3/30 (10%)	6/22 (27%)	8/30 (27%)
FIRST INCIDENCE	663	591	575	632
STATISTICAL TESTS				
POLY 3	P=0.028*	P=0.024*	P=0.005**	P=0.004**
POLY 1.5	P=0.026*	P=0.023*	P=0.006**	P=0.004**
POLY 6	P=0.030*	P=0.028*	P=0.004**	P=0.005**
COCH-ARM / FISHERS	P=0.026*	P=0.023*	P=0.007**	P=0.004**
MAX-ISO-POLY-3	P=0.007**	P=0.011*	P=0.002**	P=0.002**

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Nose
Inflammation Chronic

LESION RATES

OVERALL (a)	25/50 (50%)	24/49 (49%)	31/50 (62%)	30/50 (60%)
POLY-3 RATE (b)	25/45.84	24/44.27	31/45.83	30/45.29
POLY-3 PERCENT (g)	54.5%	54.2%	67.6%	66.2%
TERMINAL (d)	14/27 (52%)	15/30 (50%)	16/22 (73%)	22/30 (73%)
FIRST INCIDENCE	480	530	467	632

STATISTICAL TESTS

POLY 3	P=0.118	P=0.573N	P=0.133	P=0.168
POLY 1.5	P=0.135	P=0.574N	P=0.142	P=0.185
POLY 6	P=0.100	P=0.547N	P=0.120	P=0.156
COCH-ARM / FISHERS	P=0.152	P=0.540N	P=0.157	P=0.211
MAX-ISO-POLY-3	P=0.167	P=0.487N	P=0.091	P=0.120

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Nose: Olfactory Epithelium
Metaplasia Respiratory

LESION RATES

OVERALL (a)	7/50 (14%)	13/49 (27%)	6/50 (12%)	12/50 (24%)
POLY-3 RATE (b)	7/43.21	13/42.95	6/42.08	12/43.98
POLY-3 PERCENT (g)	16.2%	30.3%	14.3%	27.3%
TERMINAL (d)	4/27 (15%)	9/30 (30%)	3/22 (14%)	9/30 (30%)
FIRST INCIDENCE	573	530	554	704

STATISTICAL TESTS

POLY 3	P=0.275	P=0.095	P=0.521N	P=0.158
POLY 1.5	P=0.272	P=0.092	P=0.511N	P=0.156
POLY 6	P=0.279	P=0.105	P=0.537N	P=0.162
COCH-ARM / FISHERS	P=0.267	P=0.096	P=0.500N	P=0.154
MAX-ISO-POLY-3	P=0.168	P=0.059	P=0.401N	P=0.105

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Nose: Respiratory Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	19/50 (38%)	18/49 (37%)	18/50 (36%)	23/50 (46%)
POLY-3 RATE (b)	19/45.46	18/44.01	18/42.79	23/45.19
POLY-3 PERCENT (g)	41.8%	40.9%	42.1%	50.9%
TERMINAL (d)	9/27 (33%)	10/30 (33%)	11/22 (50%)	15/30 (50%)
FIRST INCIDENCE	537	530	534	632

STATISTICAL TESTS

POLY 3	P=0.173	P=0.552N	P=0.576	P=0.252
POLY 1.5	P=0.181	P=0.553N	P=0.553N	P=0.260
POLY 6	P=0.163	P=0.537N	P=0.515	P=0.246
COCH-ARM / FISHERS	P=0.185	P=0.531N	P=0.500N	P=0.272
MAX-ISO-POLY-3	P=0.281	P=0.465N	P=0.489	P=0.189

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	7/49 (14%)	15/50 (30%)	13/50 (26%)
POLY-3 RATE (b)	3/42.99	7/43.00	15/42.35	13/44.74
POLY-3 PERCENT (g)	7%	16.3%	35.4%	29.1%
TERMINAL (d)	1/27 (4%)	3/30 (10%)	9/22 (41%)	8/30 (27%)
FIRST INCIDENCE	663	591	575	632
STATISTICAL TESTS				
POLY 3	P=0.015*	P=0.156	P<0.001**	P=0.006**
POLY 1.5	P=0.015*	P=0.150	P<0.001**	P=0.006**
POLY 6	P=0.017*	P=0.168	P<0.001**	P=0.007**
COCH-ARM / FISHERS	P=0.015*	P=0.151	P=0.002**	P=0.006**
MAX-ISO-POLY-3	P=0.003**	P=0.090	P<0.001**	P=0.003**

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas Atrophy				
LESION RATES				
OVERALL (a)	32/49 (65%)	27/50 (54%)	27/49 (55%)	26/50 (52%)
POLY-3 RATE (b)	32/47.02	27/44.22	27/43.92	26/46.75
POLY-3 PERCENT (g)	68.1%	61.1%	61.5%	55.6%
TERMINAL (d)	17/27 (63%)	19/30 (63%)	13/22 (59%)	16/30 (53%)
FIRST INCIDENCE	368	591	534	522
STATISTICAL TESTS				
POLY 3	P=0.155N	P=0.312N	P=0.327N	P=0.147N
POLY 1.5	P=0.166N	P=0.260N	P=0.273N	P=0.139N
POLY 6	P=0.145N	P=0.366N	P=0.400N	P=0.155N
COCH-ARM / FISHERS	P=0.195N	P=0.173N	P=0.205N	P=0.127N
MAX-ISO-POLY-3	P=0.162N	P=0.245N	P=0.257N	P=0.104N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas Cyst				
LESION RATES				
OVERALL (a)	14/49 (29%)	10/50 (20%)	7/49 (14%)	10/50 (20%)
POLY-3 RATE (b)	14/42.66	10/43.65	7/41.11	10/44.61
POLY-3 PERCENT (g)	32.8%	22.9%	17%	22.4%
TERMINAL (d)	10/27 (37%)	5/30 (17%)	4/22 (18%)	7/30 (23%)
FIRST INCIDENCE	659	591	534	632
STATISTICAL TESTS				
POLY 3	P=0.279N	P=0.214N	P=0.075N	P=0.196N
POLY 1.5	P=0.289N	P=0.224N	P=0.071N	P=0.208N
POLY 6	P=0.269N	P=0.195N	P=0.082N	P=0.181N
COCH-ARM / FISHERS	P=0.309N	P=0.224N	P=0.069N	P=0.224N
MAX-ISO-POLY-3	P=0.124N	P=0.151N	P=0.047N*	P=0.140N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas: Acinus Cytoplasmic Alteration				
LESION RATES				
OVERALL (a)	2/49 (4%)	3/50 (6%)	4/49 (8%)	5/50 (10%)
POLY-3 RATE (b)	2/42.07	3/42.44	4/40.09	5/43.92
POLY-3 PERCENT (g)	4.8%	7.1%	10%	11.4%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	2/22 (9%)	3/30 (10%)
FIRST INCIDENCE	708	718	708	694
STATISTICAL TESTS				
POLY 3	P=0.199	P=0.504	P=0.314	P=0.233
POLY 1.5	P=0.195	P=0.503	P=0.325	P=0.230
POLY 6	P=0.205	P=0.509	P=0.299	P=0.239
COCH-ARM / FISHERS	P=0.186	P=0.510	P=0.339	P=0.226
MAX-ISO-POLY-3	P=0.219	P=0.327	P=0.188	P=0.134

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas: Acinus Hyperplasia Focal				
LESION RATES				
OVERALL (a)	4/49 (8%)	1/50 (2%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/41.98	1/42.38	1/39.93	2/43.73
POLY-3 PERCENT (g)	9.5%	2.4%	2.5%	4.6%
TERMINAL (d)	4/27 (15%)	1/30 (3%)	1/22 (5%)	2/30 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.441N	P=0.175N	P=0.193N	P=0.318N
POLY 1.5	P=0.444N	P=0.176N	P=0.187N	P=0.322N
POLY 6	P=0.437N	P=0.171N	P=0.203N	P=0.311N
COCH-ARM / FISHERS	P=0.453N	P=0.175N	P=0.181N	P=0.329N
MAX-ISO-POLY-3	P=0.137N	P=0.081N	P=0.097N	P=0.189N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	1/41.65	2/41.51	0/43.73
POLY-3 PERCENT (g)	0%	2.4%	4.8%	0%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	554	---
STATISTICAL TESTS				
POLY 3	P=0.503N	P=0.496	P=0.231	(e)
POLY 1.5	P=0.508N	P=0.494	P=0.234	(e)
POLY 6	P=0.498N	P=0.500	P=0.227	(e)
COCH-ARM / FISHERS	P=0.514N	P=0.495	P=0.247	(e)
MAX-ISO-POLY-3	P=0.328N	P=0.157	P=0.076	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis Angiectasis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/49 (2%)	0/50 (0%)	6/50 (12%)
POLY-3 RATE (b)	2/42.54	1/41.65	0/40.61	6/43.88
POLY-3 PERCENT (g)	4.7%	2.4%	0%	13.7%
TERMINAL (d)	2/27 (7%)	1/30 (3%)	0/22 (0%)	4/30 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	---	708
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.507N	P=0.247N	P=0.142
POLY 1.5	P=0.013*	P=0.510N	P=0.243N	P=0.138
POLY 6	P=0.014*	P=0.501N	P=0.255N	P=0.148
COCH-ARM / FISHERS	P=0.014*	P=0.508N	P=0.247N	P=0.134
MAX-ISO-POLY-3	P=0.015*	P=0.287N	P=0.086N	P=0.077

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Pituitary Gland: Pars Distalis
Cyst

LESION RATES

OVERALL (a)	2/50 (4%)	2/49 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	2/42.76	2/42.38	3/41.11	0/43.73
POLY-3 PERCENT (g)	4.7%	4.7%	7.3%	0%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	671	591	657	---

STATISTICAL TESTS

POLY 3	P=0.159N	P=0.691	P=0.482	P=0.232N
POLY 1.5	P=0.161N	P=0.686	P=0.490	P=0.234N
POLY 6	P=0.157N	P=0.688N	P=0.470	P=0.229N
COCH-ARM / FISHERS	P=0.166N	P=0.684	P=0.500	P=0.247N
MAX-ISO-POLY-3	P=0.159N	P=0.495	P=0.311	P=0.076N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.80	0/41.65	0/40.61	2/44.07
POLY-3 PERCENT (g)	2.3%	0%	0%	4.5%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	659	---	---	657
STATISTICAL TESTS				
POLY 3	P=0.199	P=0.505N	P=0.511N	P=0.510
POLY 1.5	P=0.197	P=0.506N	P=0.506N	P=0.506
POLY 6	P=0.201	P=0.503N	P=0.518N	P=0.517
COCH-ARM / FISHERS	P=0.193	P=0.505N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.152	P=0.164N	P=0.172N	P=0.292

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia Focal				
LESION RATES				
OVERALL (a)	9/50 (18%)	9/49 (18%)	5/50 (10%)	10/50 (20%)
POLY-3 RATE (b)	9/44.12	9/43.42	5/41.80	10/44.64
POLY-3 PERCENT (g)	20.4%	20.7%	12%	22.4%
TERMINAL (d)	4/27 (15%)	6/30 (20%)	2/22 (9%)	7/30 (23%)
FIRST INCIDENCE	537	272	534	449
STATISTICAL TESTS				
POLY 3	P=0.439	P=0.590	P=0.221N	P=0.511
POLY 1.5	P=0.436	P=0.585	P=0.208N	P=0.509
POLY 6	P=0.438	P=0.598	P=0.245N	P=0.513
COCH-ARM / FISHERS	P=0.427	P=0.584	P=0.194N	P=0.500
MAX-ISO-POLY-3	P=0.464	P=0.484	P=0.150N	P=0.407

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Intermedia Angiectasis				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/49 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	4/42.91	1/41.65	0/40.61	3/43.90
POLY-3 PERCENT (g)	9.3%	2.4%	0%	6.8%
TERMINAL (d)	2/27 (7%)	1/30 (3%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	659	729 (T)	---	704
STATISTICAL TESTS				
POLY 3	P=0.558	P=0.187N	P=0.067N	P=0.488N
POLY 1.5	P=0.554	P=0.188N	P=0.064N	P=0.493N
POLY 6	P=0.562	P=0.183N	P=0.072N	P=0.480N
COCH-ARM / FISHERS	P=0.545	P=0.187N	P=0.059N	P=0.500N
MAX-ISO-POLY-3	P=0.141N	P=0.091N	P=0.025N*	P=0.337N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Intermedia Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	7/49 (14%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/42.76	7/42.77	0/40.61	3/44.00
POLY-3 PERCENT (g)	2.3%	16.4%	0%	6.8%
TERMINAL (d)	0/27 (0%)	3/30 (10%)	0/22 (0%)	2/30 (7%)
FIRST INCIDENCE	671	591	---	659
STATISTICAL TESTS				
POLY 3	P=0.522N	P=0.029*	P=0.510N	P=0.315
POLY 1.5	P=0.531N	P=0.028*	P=0.506N	P=0.311
POLY 6	P=0.506N	P=0.032*	P=0.518N	P=0.322
COCH-ARM / FISHERS	P=0.540N	P=0.028*	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.215N	P=0.012*	P=0.171N	P=0.164

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Nervosa Infiltration Cellular Mixed Cell				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.65	0/41.65	0/40.61	0/43.73
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	703	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.233N	P=0.242N	P=0.248N	P=0.231N
POLY 1.5	P=0.233N	P=0.244N	P=0.243N	P=0.234N
POLY 6	P=0.233N	P=0.238N	P=0.256N	P=0.228N
COCH-ARM / FISHERS	P=0.237N	P=0.253N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.035N*	P=0.080N	P=0.086N	P=0.076N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Preputial Gland Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	4/42.38	0/39.61	0/43.73
POLY-3 PERCENT (g)	0%	9.4%	0%	0%
TERMINAL (d)	0/27 (0%)	4/30 (13%)	0/21 (0%)	0/30 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.181N	P=0.059	(e)	(e)
POLY 1.5	P=0.185N	P=0.059	(e)	(e)
POLY 6	P=0.174N	P=0.061	(e)	(e)
COCH-ARM / FISHERS	P=0.193N	P=0.059	(e)	(e)
MAX-ISO-POLY-3	P=0.115N	P=0.019*	(e)	(e)

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	14/50 (28%)	19/50 (38%)	18/49 (37%)	13/50 (26%)
POLY-3 RATE (b)	14/44.07	19/45.67	18/43.96	13/45.25
POLY-3 PERCENT (g)	31.8%	41.6%	40.9%	28.7%
TERMINAL (d)	9/27 (33%)	9/30 (30%)	4/21 (19%)	8/30 (27%)
FIRST INCIDENCE	368	480	534	468
STATISTICAL TESTS				
POLY 3	P=0.229N	P=0.225	P=0.248	P=0.467N
POLY 1.5	P=0.238N	P=0.203	P=0.239	P=0.483N
POLY 6	P=0.220N	P=0.272	P=0.270	P=0.441N
COCH-ARM / FISHERS	P=0.257N	P=0.198	P=0.238	P=0.500N
MAX-ISO-POLY-3	P=0.289N	P=0.169	P=0.183	P=0.377N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Prostate Inflammation Chronic				
LESION RATES				
OVERALL (a)	33/50 (66%)	42/50 (84%)	39/50 (78%)	42/50 (84%)
POLY-3 RATE (b)	33/44.98	42/47.84	39/47.25	42/48.03
POLY-3 PERCENT (g)	73.4%	87.8%	82.6%	87.5%
TERMINAL (d)	21/27 (78%)	27/30 (90%)	20/22 (91%)	28/30 (93%)
FIRST INCIDENCE	590	272	362	449
STATISTICAL TESTS				
POLY 3	P=0.144	P=0.052	P=0.190	P=0.057
POLY 1.5	P=0.121	P=0.038*	P=0.167	P=0.043*
POLY 6	P=0.176	P=0.081	P=0.209	P=0.083
COCH-ARM / FISHERS	P=0.093	P=0.032*	P=0.133	P=0.032*
MAX-ISO-POLY-3	P=0.047*	P=0.031*	P=0.131	P=0.035*

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Prostate: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	9/50 (18%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	3/42.54	9/42.43	4/40.96	5/43.83
POLY-3 PERCENT (g)	7.1%	21.2%	9.8%	11.4%
TERMINAL (d)	3/27 (11%)	8/30 (27%)	3/22 (14%)	4/30 (13%)
FIRST INCIDENCE	729 (T)	718	632	704
STATISTICAL TESTS				
POLY 3	P=0.494N	P=0.056	P=0.479	P=0.372
POLY 1.5	P=0.505N	P=0.056	P=0.489	P=0.366
POLY 6	P=0.477N	P=0.058	P=0.465	P=0.383
COCH-ARM / FISHERS	P=0.520N	P=0.061	P=0.500	P=0.357
MAX-ISO-POLY-3	P=0.256	P=0.029*	P=0.330	P=0.247

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Salivary Glands Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.54	1/42.38	0/39.30	0/43.73
POLY-3 PERCENT (g)	2.4%	2.4%	0%	0%
TERMINAL (d)	1/27 (4%)	1/30 (3%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.303N	P=0.760	P=0.516N	P=0.494N
POLY 1.5	P=0.304N	P=0.759	P=0.512N	P=0.497N
POLY 6	P=0.300N	P=0.758N	P=0.521N	P=0.491N
COCH-ARM / FISHERS	P=0.306N	P=0.753N	P=0.510N	P=0.500N
MAX-ISO-POLY-3	P=0.258N	P=0.498	P=0.175N	P=0.158N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Salivary Glands
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	2/43.02	0/39.30	0/43.73
POLY-3 PERCENT (g)	0%	4.7%	0%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	613	---	---

STATISTICAL TESTS

POLY 3	P=0.372N	P=0.239	(e)	(e)
POLY 1.5	P=0.377N	P=0.237	(e)	(e)
POLY 6	P=0.364N	P=0.245	(e)	(e)
COCH-ARM / FISHERS	P=0.380N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.257N	P=0.078	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Seminal Vesicle Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	0/42.38	2/41.62	0/43.73
POLY-3 PERCENT (g)	0%	0%	4.8%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	362	---
STATISTICAL TESTS				
POLY 3	P=0.686N	(e)	P=0.232	(e)
POLY 1.5	P=0.689N	(e)	P=0.235	(e)
POLY 6	P=0.683N	(e)	P=0.226	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.254	(e)	P=0.076	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/42.54	1/42.38	2/40.61	2/44.28
POLY-3 PERCENT (g)	0%	2.4%	4.9%	4.5%
TERMINAL (d)	0/27 (0%)	1/30 (3%)	2/22 (9%)	1/30 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	562
STATISTICAL TESTS				
POLY 3	P=0.244	P=0.499	P=0.226	P=0.246
POLY 1.5	P=0.238	P=0.498	P=0.231	P=0.242
POLY 6	P=0.252	P=0.502	P=0.219	P=0.252
COCH-ARM / FISHERS	P=0.228	P=0.500	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.161	P=0.158	P=0.075	P=0.084

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	15/50 (30%)	12/50 (24%)	17/50 (34%)	22/50 (44%)
POLY-3 RATE (b)	15/43.57	12/42.43	17/43.14	22/45.64
POLY-3 PERCENT (g)	34.4%	28.3%	39.4%	48.2%
TERMINAL (d)	10/27 (37%)	11/30 (37%)	10/22 (46%)	15/30 (50%)
FIRST INCIDENCE	537	718	534	562
STATISTICAL TESTS				
POLY 3	P=0.042*	P=0.350N	P=0.397	P=0.129
POLY 1.5	P=0.037*	P=0.347N	P=0.405	P=0.118
POLY 6	P=0.053	P=0.347N	P=0.386	P=0.153
COCH-ARM / FISHERS	P=0.030*	P=0.326N	P=0.415	P=0.107
MAX-ISO-POLY-3	P=0.067	P=0.271N	P=0.314	P=0.094

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<hr/>				
Skin: Control Epidermis Hyperplasia				
<hr/>				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	2/42.54	4/42.65	3/41.55	5/43.92
POLY-3 PERCENT (g)	4.7%	9.4%	7.2%	11.4%
TERMINAL (d)	2/27 (7%)	3/30 (10%)	0/22 (0%)	3/30 (10%)
FIRST INCIDENCE	729 (T)	657	575	694
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.241	P=0.338	P=0.489	P=0.228
POLY 1.5	P=0.236	P=0.334	P=0.494	P=0.223
POLY 6	P=0.250	P=0.347	P=0.482	P=0.237
COCH-ARM / FISHERS	P=0.225	P=0.339	P=0.500	P=0.218
MAX-ISO-POLY-3	P=0.214	P=0.201	P=0.316	P=0.131

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Control				
Hyperkeratosis				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	5/50 (10%)	1/50 (2%)
POLY-3 RATE (b)	5/43.32	1/42.65	5/42.11	1/43.73
POLY-3 PERCENT (g)	11.5%	2.3%	11.9%	2.3%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	590	657	575	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.163N	P=0.104N	P=0.613	P=0.098N
POLY 1.5	P=0.165N	P=0.105N	P=0.621	P=0.100N
POLY 6	P=0.162N	P=0.101N	P=0.602	P=0.097N
COCH-ARM / FISHERS	P=0.174N	P=0.102N	P=0.630N	P=0.102N
MAX-ISO-POLY-3	P=0.070N	P=0.047N*	P=0.480	P=0.043N*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Epidermis Hyperplasia				
LESION RATES				
OVERALL (a)	15/50 (30%)	14/50 (28%)	18/50 (36%)	24/50 (48%)
POLY-3 RATE (b)	15/43.57	14/42.99	18/43.14	24/45.91
POLY-3 PERCENT (g)	34.4%	32.6%	41.7%	52.3%
TERMINAL (d)	10/27 (37%)	12/30 (40%)	11/22 (50%)	16/30 (53%)
FIRST INCIDENCE	537	554	534	562
STATISTICAL TESTS				
POLY 3	P=0.023*	P=0.518N	P=0.313	P=0.063
POLY 1.5	P=0.020*	P=0.518N	P=0.323	P=0.055
POLY 6	P=0.030*	P=0.509N	P=0.300	P=0.079
COCH-ARM / FISHERS	P=0.017*	P=0.500N	P=0.335	P=0.050*
MAX-ISO-POLY-3	P=0.037*	P=0.425N	P=0.240	P=0.044*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Epidermis, Site of Application				
Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	3/50 (6%)	29/50 (58%)
POLY-3 RATE (b)	0/42.54	3/42.38	3/41.20	29/47.74
POLY-3 PERCENT (g)	0%	7.1%	7.3%	60.7%
TERMINAL (d)	0/27 (0%)	3/30 (10%)	1/22 (5%)	18/30 (60%)
FIRST INCIDENCE	---	729 (T)	630	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.117	P=0.112	P<0.001**
POLY 1.5	P<0.001**	P=0.117	P=0.115	P<0.001**
POLY 6	P<0.001**	P=0.120	P=0.108	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P=0.121	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.038*	P=0.037*	P<0.001**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Site of Application				
Hyperkeratosis				
LESION RATES				
OVERALL (a)	20/50 (40%)	13/50 (26%)	33/50 (66%)	47/50 (94%)
POLY-3 RATE (b)	20/46.33	13/43.25	33/46.88	47/48.68
POLY-3 PERCENT (g)	43.2%	30.1%	70.4%	96.5%
TERMINAL (d)	10/27 (37%)	10/30 (33%)	13/22 (59%)	30/30 (100%)
FIRST INCIDENCE	480	591	362	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.140N	P=0.005**	P<0.001**
POLY 1.5	P<0.001**	P=0.126N	P=0.006**	P<0.001**
POLY 6	P<0.001**	P=0.154N	P=0.004**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.101N	P=0.008**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.103N	P=0.003**	P<0.001**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Fibrosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/42.85	0/42.38	3/40.88	3/43.79
POLY-3 PERCENT (g)	7%	0%	7.3%	6.9%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	1/22 (5%)	2/30 (7%)
FIRST INCIDENCE	677	---	685	716
STATISTICAL TESTS				
POLY 3	P=0.372	P=0.120N	P=0.641	P=0.653N
POLY 1.5	P=0.368	P=0.121N	P=0.651	P=0.656N
POLY 6	P=0.375	P=0.118N	P=0.626	P=0.648N
COCH-ARM / FISHERS	P=0.357	P=0.121N	P=0.661N	P=0.661N
MAX-ISO-POLY-3	P=0.372	P=0.039N*	P=0.476	P=0.488N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	20/50 (40%)	21/50 (42%)	24/50 (48%)	19/50 (38%)
POLY-3 RATE (b)	20/45.42	21/46.16	24/44.24	19/45.99
POLY-3 PERCENT (g)	44%	45.5%	54.3%	41.3%
TERMINAL (d)	11/27 (41%)	13/30 (43%)	12/22 (55%)	15/30 (50%)
FIRST INCIDENCE	537	272	467	468
STATISTICAL TESTS				
POLY 3	P=0.382N	P=0.528	P=0.219	P=0.479N
POLY 1.5	P=0.387N	P=0.520	P=0.244	P=0.483N
POLY 6	P=0.387N	P=0.534	P=0.184	P=0.484N
COCH-ARM / FISHERS	P=0.403N	P=0.500	P=0.273	P=0.500N
MAX-ISO-POLY-3	P=0.423N	P=0.442	P=0.164	P=0.394N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.87	0/42.38	1/40.63	1/43.80
POLY-3 PERCENT (g)	2.3%	0%	2.5%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	639	---	724	713
STATISTICAL TESTS				
POLY 3	P=0.559	P=0.502N	P=0.749	P=0.756N
POLY 1.5	P=0.557	P=0.503N	P=0.754	P=0.758N
POLY 6	P=0.562	P=0.500N	P=0.740	P=0.753N
COCH-ARM / FISHERS	P=0.550	P=0.500N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.535	P=0.161N	P=0.484	P=0.493N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Necrosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/42.84	2/43.11	2/40.73	2/44.05
POLY-3 PERCENT (g)	7%	4.6%	4.9%	4.5%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	671	591	704	658
STATISTICAL TESTS				
POLY 3	P=0.477N	P=0.497N	P=0.523N	P=0.487N
POLY 1.5	P=0.482N	P=0.502N	P=0.512N	P=0.493N
POLY 6	P=0.473N	P=0.487N	P=0.540N	P=0.479N
COCH-ARM / FISHERS	P=0.490N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.489N	P=0.321N	P=0.347N	P=0.315N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	0/42.54	3/44.18	6/43.91	3/45.06
POLY-3 PERCENT (g)	0%	6.8%	13.7%	6.7%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	480	362	522
STATISTICAL TESTS				
POLY 3	P=0.338	P=0.125	P=0.017*	P=0.129
POLY 1.5	P=0.324	P=0.121	P=0.016*	P=0.125
POLY 6	P=0.358	P=0.132	P=0.017*	P=0.136
COCH-ARM / FISHERS	P=0.304	P=0.121	P=0.013*	P=0.121
MAX-ISO-POLY-3	P=0.053	P=0.043*	P=0.006**	P=0.047*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.54	1/42.40	1/41.49	0/43.73
POLY-3 PERCENT (g)	0%	2.4%	2.4%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	726	362	---
STATISTICAL TESTS				
POLY 3	P=0.533N	P=0.499	P=0.495	(e)
POLY 1.5	P=0.536N	P=0.498	P=0.498	(e)
POLY 6	P=0.528N	P=0.503	P=0.490	(e)
COCH-ARM / FISHERS	P=0.541N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.404N	P=0.158	P=0.158	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen: Lymphoid Follicle Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.54	1/42.62	2/40.61	0/43.73
POLY-3 PERCENT (g)	2.4%	2.4%	4.9%	0%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	2/22 (9%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	667	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.323N	P=0.760N	P=0.484	P=0.494N
POLY 1.5	P=0.326N	P=0.759	P=0.491	P=0.497N
POLY 6	P=0.319N	P=0.756N	P=0.472	P=0.491N
COCH-ARM / FISHERS	P=0.332N	P=0.753N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.271N	P=0.499N	P=0.271	P=0.158N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach Edema				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	3/43.55	1/42.43	6/41.78	3/44.48
POLY-3 PERCENT (g)	6.9%	2.4%	14.4%	6.7%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	480	718	632	569
STATISTICAL TESTS				
POLY 3	P=0.502	P=0.314N	P=0.220	P=0.653N
POLY 1.5	P=0.493	P=0.313N	P=0.229	P=0.657N
POLY 6	P=0.514	P=0.312N	P=0.210	P=0.645N
COCH-ARM / FISHERS	P=0.475	P=0.309N	P=0.243	P=0.661N
MAX-ISO-POLY-3	P=0.246	P=0.163N	P=0.135	P=0.489N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.60	2/42.65	0/40.61	0/43.73
POLY-3 PERCENT (g)	2.4%	4.7%	0%	0%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	716	670	---	---
STATISTICAL TESTS				
POLY 3	P=0.209N	P=0.500	P=0.510N	P=0.495N
POLY 1.5	P=0.212N	P=0.498	P=0.505N	P=0.497N
POLY 6	P=0.205N	P=0.508	P=0.516N	P=0.491N
COCH-ARM / FISHERS	P=0.214N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.175N	P=0.281	P=0.170N	P=0.158N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	6/50 (12%)	6/50 (12%)	8/50 (16%)	3/50 (6%)
POLY-3 RATE (b)	6/44.46	6/43.81	8/42.71	3/45.13
POLY-3 PERCENT (g)	13.5%	13.7%	18.7%	6.7%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	480	591	467	468
STATISTICAL TESTS				
POLY 3	P=0.159N	P=0.611	P=0.354	P=0.234N
POLY 1.5	P=0.164N	P=0.609	P=0.369	P=0.237N
POLY 6	P=0.157N	P=0.622N	P=0.335	P=0.230N
COCH-ARM / FISHERS	P=0.175N	P=0.620N	P=0.387	P=0.243N
MAX-ISO-POLY-3	P=0.181N	P=0.488	P=0.258	P=0.142N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	8/50 (16%)	6/50 (12%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	8/43.57	6/43.80	8/42.68	5/44.40
POLY-3 PERCENT (g)	18.4%	13.7%	18.8%	11.3%
TERMINAL (d)	2/27 (7%)	0/30 (0%)	0/22 (0%)	3/30 (10%)
FIRST INCIDENCE	616	591	590	569
STATISTICAL TESTS				
POLY 3	P=0.266N	P=0.381N	P=0.591	P=0.262N
POLY 1.5	P=0.270N	P=0.389N	P=0.598	P=0.268N
POLY 6	P=0.266N	P=0.364N	P=0.583	P=0.256N
COCH-ARM / FISHERS	P=0.282N	P=0.387N	P=0.607N	P=0.277N
MAX-ISO-POLY-3	P=0.292N	P=0.278N	P=0.481	P=0.177N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular Edema				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.76	3/42.85	2/40.84	1/43.73
POLY-3 PERCENT (g)	2.3%	7%	4.9%	2.3%
TERMINAL (d)	0/27 (0%)	2/30 (7%)	1/22 (5%)	1/30 (3%)
FIRST INCIDENCE	671	591	667	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.413N	P=0.306	P=0.484	P=0.756N
POLY 1.5	P=0.417N	P=0.303	P=0.491	P=0.758N
POLY 6	P=0.407N	P=0.312	P=0.473	P=0.753N
COCH-ARM / FISHERS	P=0.424N	P=0.309	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.456N	P=0.154	P=0.271	P=0.493N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular Erosion				
LESION RATES				
OVERALL (a)	7/50 (14%)	5/50 (10%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	7/44.63	5/43.86	6/41.71	4/44.26
POLY-3 PERCENT (g)	15.7%	11.4%	14.4%	9%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	1/22 (5%)	2/30 (7%)
FIRST INCIDENCE	573	591	575	658
STATISTICAL TESTS				
POLY 3	P=0.266N	P=0.391N	P=0.552N	P=0.265N
POLY 1.5	P=0.265N	P=0.391N	P=0.528N	P=0.263N
POLY 6	P=0.271N	P=0.386N	P=0.589N	P=0.268N
COCH-ARM / FISHERS	P=0.269N	P=0.380N	P=0.500N	P=0.262N
MAX-ISO-POLY-3	P=0.279N	P=0.281N	P=0.433N	P=0.172N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular Ulcer				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	4/43.78	3/43.73	1/41.49	1/44.47
POLY-3 PERCENT (g)	9.1%	6.9%	2.4%	2.3%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	480	480	362	468
STATISTICAL TESTS				
POLY 3	P=0.130N	P=0.501N	P=0.195N	P=0.173N
POLY 1.5	P=0.132N	P=0.504N	P=0.187N	P=0.176N
POLY 6	P=0.129N	P=0.493N	P=0.209N	P=0.171N
COCH-ARM / FISHERS	P=0.136N	P=0.500N	P=0.181N	P=0.181N
MAX-ISO-POLY-3	P=0.116N	P=0.347N	P=0.099N	P=0.082N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular: Glands Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.26	2/42.96	0/40.61	3/43.97
POLY-3 PERCENT (g)	2.3%	4.7%	0%	6.8%
TERMINAL (d)	0/27 (0%)	0/30 (0%)	0/22 (0%)	2/30 (7%)
FIRST INCIDENCE	480	554	---	667
STATISTICAL TESTS				
POLY 3	P=0.226	P=0.498	P=0.513N	P=0.311
POLY 1.5	P=0.224	P=0.496	P=0.507N	P=0.308
POLY 6	P=0.230	P=0.503	P=0.521N	P=0.316
COCH-ARM / FISHERS	P=0.220	P=0.500	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.204	P=0.279	P=0.174N	P=0.160

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Testes: Artery				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.54	2/42.38	0/40.61	1/43.73
POLY-3 PERCENT (g)	2.4%	4.7%	0%	2.3%
TERMINAL (d)	1/27 (4%)	2/30 (7%)	0/22 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.550N	P=0.499	P=0.509N	P=0.755N
POLY 1.5	P=0.553N	P=0.497	P=0.505N	P=0.757N
POLY 6	P=0.544N	P=0.504	P=0.516N	P=0.751N
COCH-ARM / FISHERS	P=0.558N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.387N	P=0.279	P=0.170N	P=0.491N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Testes: Germinal Epithelium Atrophy				
LESION RATES				
OVERALL (a)	30/50 (60%)	35/50 (70%)	27/50 (54%)	36/50 (72%)
POLY-3 RATE (b)	30/44.29	35/44.04	27/42.23	36/45.55
POLY-3 PERCENT (g)	67.7%	79.5%	63.9%	79%
TERMINAL (d)	22/27 (82%)	27/30 (90%)	18/22 (82%)	27/30 (90%)
FIRST INCIDENCE	573	591	575	632
STATISTICAL TESTS				
POLY 3	P=0.212	P=0.136	P=0.438N	P=0.146
POLY 1.5	P=0.202	P=0.149	P=0.389N	P=0.143
POLY 6	P=0.236	P=0.135	P=0.528N	P=0.162
COCH-ARM / FISHERS	P=0.188	P=0.201	P=0.343N	P=0.146
MAX-ISO-POLY-3	P=0.153	P=0.087	P=0.347N	P=0.098

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Testes: Interstitial Cell Hyperplasia				
LESION RATES				
OVERALL (a)	6/50 (12%)	13/50 (26%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	6/43.81	13/43.29	8/41.73	7/44.08
POLY-3 PERCENT (g)	13.7%	30%	19.2%	15.9%
TERMINAL (d)	2/27 (7%)	9/30 (30%)	5/22 (23%)	6/30 (20%)
FIRST INCIDENCE	573	554	534	632
STATISTICAL TESTS				
POLY 3	P=0.328N	P=0.053	P=0.348	P=0.505
POLY 1.5	P=0.332N	P=0.055	P=0.366	P=0.503
POLY 6	P=0.324N	P=0.053	P=0.319	P=0.507
COCH-ARM / FISHERS	P=0.343N	P=0.062	P=0.387	P=0.500
MAX-ISO-POLY-3	P=0.274	P=0.031*	P=0.252	P=0.386

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thymus Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/46 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/42.54	0/42.38	0/36.97	0/42.96
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	1/27 (4%)	0/30 (0%)	0/19 (0%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.472N	P=0.501N	P=0.528N	P=0.498N
POLY 1.5	P=0.472N	P=0.502N	P=0.523N	P=0.501N
POLY 6	P=0.473N	P=0.498N	P=0.536N	P=0.494N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.521N	P=0.505N
MAX-ISO-POLY-3	P=0.130N	P=0.159N	P=0.187N	P=0.160N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland				
Ultimobranchial Cyst				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/45 (0%)	1/43 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/39.95	0/39.00	1/37.21	1/43.43
POLY-3 PERCENT (g)	0%	0%	2.7%	2.3%
TERMINAL (d)	0/27 (0%)	0/29 (0%)	0/22 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	362	632
STATISTICAL TESTS				
POLY 3	P=0.333	(e)	P=0.486	P=0.517
POLY 1.5	P=0.331	(e)	P=0.487	P=0.515
POLY 6	P=0.334	(e)	P=0.482	P=0.519
COCH-ARM / FISHERS	P=0.325	(e)	P=0.483	P=0.516
MAX-ISO-POLY-3	P=0.262	(e)	P=0.154	P=0.175

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	11/46 (24%)	9/45 (20%)	13/43 (30%)	6/49 (12%)
POLY-3 RATE (b)	11/41.11	9/40.19	13/38.34	6/43.08
POLY-3 PERCENT (g)	26.8%	22.4%	33.9%	13.9%
TERMINAL (d)	7/27 (26%)	7/29 (24%)	6/22 (27%)	6/30 (20%)
FIRST INCIDENCE	537	306	362	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.096N	P=0.421N	P=0.326	P=0.114N
POLY 1.5	P=0.093N	P=0.423N	P=0.333	P=0.112N
POLY 6	P=0.102N	P=0.418N	P=0.311	P=0.118N
COCH-ARM / FISHERS	P=0.094N	P=0.422N	P=0.333	P=0.112N
MAX-ISO-POLY-3	P=0.113N	P=0.325N	P=0.247	P=0.071N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: Follicle Cyst				
LESION RATES				
OVERALL (a)	3/46 (7%)	3/45 (7%)	1/43 (2%)	0/49 (0%)
POLY-3 RATE (b)	3/40.05	3/39.56	1/36.34	0/43.08
POLY-3 PERCENT (g)	7.5%	7.6%	2.8%	0%
TERMINAL (d)	2/27 (7%)	2/29 (7%)	1/22 (5%)	0/30 (0%)
FIRST INCIDENCE	703	554	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.056N	P=0.657	P=0.340N	P=0.105N
POLY 1.5	P=0.057N	P=0.652	P=0.335N	P=0.106N
POLY 6	P=0.056N	P=0.661N	P=0.349N	P=0.105N
COCH-ARM / FISHERS	P=0.059N	P=0.651	P=0.334N	P=0.110N
MAX-ISO-POLY-3	P=0.079N	P=0.493	P=0.185N	P=0.035N*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Tongue: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/1 (0%)	2/3 (67%)	1/4 (25%)	1/1 (100%)
POLY-3 RATE (b)	0/0.56	2/3.00	1/4.00	1/1.00
POLY-3 PERCENT (g)	0%	66.7%	25%	100%
TERMINAL (d)	0/0 (0%)	1/2 (50%)	0/3 (0%)	1/1 (100%)
FIRST INCIDENCE	---	659	690	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.557	P=0.641	P=0.796	(e)
POLY 1.5	P=0.522	P=0.579	P=0.777	(e)
POLY 6	P=0.591	P=0.721	P=0.819	(e)
COCH-ARM / FISHERS	P=0.464	P=0.500	P=0.800	P=0.500
MAX-ISO-POLY-3	P=0.371	P=0.323	P=0.419	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
LESION RATES				
OVERALL (a)	10/50 (20%)	19/50 (38%)	16/50 (32%)	24/50 (48%)
POLY-3 RATE (b)	10/43.64	19/44.49	16/43.87	24/46.10
POLY-3 PERCENT (g)	22.9%	42.7%	36.5%	52.1%
TERMINAL (d)	9/30 (30%)	9/24 (38%)	9/27 (33%)	12/26 (46%)
FIRST INCIDENCE	720	372	587	306
STATISTICAL TESTS				
POLY 3	P=0.011*	P=0.036*	P=0.121	P=0.003**
POLY 1.5	P=0.009**	P=0.038*	P=0.122	P=0.002**
POLY 6	P=0.015*	P=0.036*	P=0.128	P=0.004**
COCH-ARM / FISHERS	P=0.009**	P=0.038*	P=0.127	P=0.003**
MAX-ISO-POLY-3	P=0.004**	P=0.022*	P=0.080	P=0.002**

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex Degeneration Fatty				
LESION RATES				
OVERALL (a)	17/50 (34%)	22/50 (44%)	25/50 (50%)	16/50 (32%)
POLY-3 RATE (b)	17/44.99	22/42.35	25/44.68	16/42.56
POLY-3 PERCENT (g)	37.8%	51.9%	56%	37.6%
TERMINAL (d)	12/30 (40%)	12/24 (50%)	15/27 (56%)	9/26 (35%)
FIRST INCIDENCE	554	578	554	590
STATISTICAL TESTS				
POLY 3	P=0.302N	P=0.127	P=0.060	P=0.581N
POLY 1.5	P=0.291N	P=0.162	P=0.065	P=0.554N
POLY 6	P=0.307N	P=0.099	P=0.059	P=0.580
COCH-ARM / FISHERS	P=0.254N	P=0.206	P=0.078	P=0.500N
MAX-ISO-POLY-3	P=0.249N	P=0.093	P=0.038*	P=0.492N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Hyperplasia Focal				
LESION RATES				
OVERALL (a)	5/50 (10%)	7/50 (14%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	5/43.91	7/40.44	8/42.50	5/40.93
POLY-3 PERCENT (g)	11.4%	17.3%	18.8%	12.2%
TERMINAL (d)	4/30 (13%)	5/24 (21%)	6/27 (22%)	5/26 (19%)
FIRST INCIDENCE	646	716	708	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.487N	P=0.321	P=0.253	P=0.586
POLY 1.5	P=0.474N	P=0.350	P=0.262	P=0.602
POLY 6	P=0.501N	P=0.290	P=0.244	P=0.569
COCH-ARM / FISHERS	P=0.445N	P=0.380	P=0.277	P=0.630N
MAX-ISO-POLY-3	P=0.443	P=0.228	P=0.171	P=0.453

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Cortex				
Hypertrophy Focal				
LESION RATES				
OVERALL (a)	12/50 (24%)	11/50 (22%)	10/50 (20%)	6/50 (12%)
POLY-3 RATE (b)	12/43.92	11/41.38	10/43.15	6/41.09
POLY-3 PERCENT (g)	27.3%	26.6%	23.2%	14.6%
TERMINAL (d)	10/30 (33%)	7/24 (29%)	8/27 (30%)	5/26 (19%)
FIRST INCIDENCE	675	578	591	687
STATISTICAL TESTS				
POLY 3	P=0.082N	P=0.567N	P=0.421N	P=0.119N
POLY 1.5	P=0.079N	P=0.532N	P=0.415N	P=0.110N
POLY 6	P=0.085N	P=0.598	P=0.422N	P=0.128N
COCH-ARM / FISHERS	P=0.071N	P=0.500N	P=0.405N	P=0.096N
MAX-ISO-POLY-3	P=0.132N	P=0.469N	P=0.329N	P=0.080N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	5/49 (10%)	3/49 (6%)	0/47 (0%)	3/49 (6%)
POLY-3 RATE (b)	5/43.36	3/40.42	0/40.62	3/40.84
POLY-3 PERCENT (g)	11.5%	7.4%	0%	7.4%
TERMINAL (d)	2/30 (7%)	2/24 (8%)	0/27 (0%)	0/25 (0%)
FIRST INCIDENCE	554	615	---	629
STATISTICAL TESTS				
POLY 3	P=0.407N	P=0.395N	P=0.036N*	P=0.389N
POLY 1.5	P=0.408N	P=0.375N	P=0.035N*	P=0.378N
POLY 6	P=0.405N	P=0.416N	P=0.036N*	P=0.398N
COCH-ARM / FISHERS	P=0.403N	P=0.357N	P=0.031N*	P=0.357N
MAX-ISO-POLY-3	P=0.126N	P=0.270N	P=0.013N*	P=0.264N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	6/50 (12%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	3/44.47	6/42.48	4/43.77	6/42.68
POLY-3 PERCENT (g)	6.8%	14.1%	9.1%	14.1%
TERMINAL (d)	0/30 (0%)	2/24 (8%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	640	515	554	306
STATISTICAL TESTS				
POLY 3	P=0.287	P=0.219	P=0.491	P=0.221
POLY 1.5	P=0.295	P=0.232	P=0.495	P=0.230
POLY 6	P=0.280	P=0.205	P=0.489	P=0.212
COCH-ARM / FISHERS	P=0.308	P=0.243	P=0.500	P=0.243
MAX-ISO-POLY-3	P=0.230	P=0.134	P=0.340	P=0.136

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Bone Marrow				
Myelofibrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.78	1/42.34	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	2.4%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	615	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.557N	P=0.487	P=0.494	(e)
POLY 1.5	P=0.551N	P=0.493	P=0.496	(e)
POLY 6	P=0.563N	P=0.480	P=0.492	(e)
COCH-ARM / FISHERS	P=0.541N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.411	P=0.158	P=0.158	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Bone: Femur				
Osteopetrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	2/40.78	1/42.42	0/40.93
POLY-3 PERCENT (g)	0%	4.9%	2.4%	0%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	615	708	---
STATISTICAL TESTS				
POLY 3	P=0.407N	P=0.222	P=0.495	(e)
POLY 1.5	P=0.399N	P=0.230	P=0.497	(e)
POLY 6	P=0.416N	P=0.215	P=0.493	(e)
COCH-ARM / FISHERS	P=0.385N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.337	P=0.075	P=0.158	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Brain Compression				
LESION RATES				
OVERALL (a)	21/50 (42%)	28/50 (56%)	15/50 (30%)	17/50 (34%)
POLY-3 RATE (b)	21/47.29	28/44.88	15/44.57	17/43.64
POLY-3 PERCENT (g)	44.4%	62.4%	33.7%	39%
TERMINAL (d)	10/30 (33%)	14/24 (58%)	6/27 (22%)	8/26 (31%)
FIRST INCIDENCE	426	520	455	493
STATISTICAL TESTS				
POLY 3	P=0.113N	P=0.059	P=0.199N	P=0.376N
POLY 1.5	P=0.099N	P=0.083	P=0.175N	P=0.334N
POLY 6	P=0.133N	P=0.041*	P=0.229N	P=0.427N
COCH-ARM / FISHERS	P=0.079N	P=0.115	P=0.149N	P=0.268N
MAX-ISO-POLY-3	P=0.086N	P=0.042*	P=0.150N	P=0.305N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	8/50 (16%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	8/45.73	3/41.20	2/43.17	2/41.41
POLY-3 PERCENT (g)	17.5%	7.3%	4.6%	4.8%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	426	609	455	636
STATISTICAL TESTS				
POLY 3	P=0.075N	P=0.133N	P=0.055N	P=0.063N
POLY 1.5	P=0.075N	P=0.116N	P=0.051N	P=0.056N
POLY 6	P=0.075N	P=0.154N	P=0.060N	P=0.071N
COCH-ARM / FISHERS	P=0.075N	P=0.100N	P=0.046N*	P=0.046N*
MAX-ISO-POLY-3	P=0.033N*	P=0.086N	P=0.029N*	P=0.037N*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Brain Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/43.68	3/40.78	1/42.74	2/41.27
POLY-3 PERCENT (g)	2.3%	7.4%	2.3%	4.9%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	710	616	614	636
STATISTICAL TESTS				
POLY 3	P=0.555	P=0.281	P=0.756	P=0.480
POLY 1.5	P=0.562	P=0.293	P=0.758	P=0.487
POLY 6	P=0.549	P=0.268	P=0.755	P=0.474
COCH-ARM / FISHERS	P=0.576	P=0.309	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.455	P=0.145	P=0.493	P=0.269

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral Gland Cyst				
LESION RATES				
OVERALL (a)	6/50 (12%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	6/43.86	2/40.40	1/42.34	3/40.93
POLY-3 PERCENT (g)	13.7%	5%	2.4%	7.3%
TERMINAL (d)	5/30 (17%)	1/24 (4%)	1/27 (4%)	3/26 (12%)
FIRST INCIDENCE	659	724	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.366N	P=0.160N	P=0.061N	P=0.276N
POLY 1.5	P=0.369N	P=0.146N	P=0.059N	P=0.264N
POLY 6	P=0.363N	P=0.176N	P=0.063N	P=0.289N
COCH-ARM / FISHERS	P=0.366N	P=0.134N	P=0.056N	P=0.243N
MAX-ISO-POLY-3	P=0.097N	P=0.094N	P=0.028N*	P=0.180N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral Gland Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/43.66	1/40.84	2/42.34	3/41.62
POLY-3 PERCENT (g)	6.9%	2.5%	4.7%	7.2%
TERMINAL (d)	2/30 (7%)	0/24 (0%)	2/27 (7%)	2/26 (8%)
FIRST INCIDENCE	714	591	729 (T)	493
STATISTICAL TESTS				
POLY 3	P=0.428	P=0.329N	P=0.514N	P=0.641
POLY 1.5	P=0.427	P=0.317N	P=0.508N	P=0.648
POLY 6	P=0.430	P=0.341N	P=0.519N	P=0.634
COCH-ARM / FISHERS	P=0.432	P=0.309N	P=0.500N	P=0.661N
MAX-ISO-POLY-3	P=0.494	P=0.178N	P=0.338N	P=0.475

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Clitoral Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	9/50 (18%)	5/50 (10%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	9/44.00	5/41.12	5/43.36	5/41.46
POLY-3 PERCENT (g)	20.5%	12.2%	11.5%	12.1%
TERMINAL (d)	7/30 (23%)	2/24 (8%)	3/27 (11%)	3/26 (12%)
FIRST INCIDENCE	650	557	554	589
STATISTICAL TESTS				
POLY 3	P=0.278N	P=0.229N	P=0.198N	P=0.225N
POLY 1.5	P=0.278N	P=0.210N	P=0.197N	P=0.214N
POLY 6	P=0.279N	P=0.250N	P=0.198N	P=0.235N
COCH-ARM / FISHERS	P=0.267N	P=0.194N	P=0.194N	P=0.194N
MAX-ISO-POLY-3	P=0.213N	P=0.159N	P=0.129N	P=0.154N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Eye Cataract				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	3/49 (6%)
POLY-3 RATE (b)	2/43.60	3/40.98	3/42.63	3/40.39
POLY-3 PERCENT (g)	4.6%	7.3%	7%	7.4%
TERMINAL (d)	2/30 (7%)	2/24 (8%)	1/27 (4%)	2/25 (8%)
FIRST INCIDENCE	729 (T)	537	679	593
STATISTICAL TESTS				
POLY 3	P=0.457	P=0.472	P=0.490	P=0.465
POLY 1.5	P=0.463	P=0.486	P=0.493	P=0.474
POLY 6	P=0.453	P=0.457	P=0.489	P=0.458
COCH-ARM / FISHERS	P=0.480	P=0.500	P=0.500	P=0.490
MAX-ISO-POLY-3	P=0.489	P=0.304	P=0.316	P=0.299

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Eye: Retina Degeneration				
LESION RATES				
OVERALL (a)	4/50 (8%)	4/50 (8%)	4/50 (8%)	4/49 (8%)
POLY-3 RATE (b)	4/44.00	4/41.08	4/42.63	4/40.66
POLY-3 PERCENT (g)	9.1%	9.7%	9.4%	9.8%
TERMINAL (d)	2/30 (7%)	2/24 (8%)	2/27 (7%)	2/25 (8%)
FIRST INCIDENCE	640	537	679	593
STATISTICAL TESTS				
POLY 3	P=0.553	P=0.606	P=0.626	P=0.600
POLY 1.5	P=0.558	P=0.625	P=0.633	P=0.611
POLY 6	P=0.550	P=0.585	P=0.621	P=0.590
COCH-ARM / FISHERS	P=0.575	P=0.643N	P=0.643N	P=0.631
MAX-ISO-POLY-3	P=0.695	P=0.460	P=0.481	P=0.454

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Harderian Gland Hyperplasia Focal				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.60	2/40.40	0/42.34	0/40.93
POLY-3 PERCENT (g)	4.6%	5%	0%	0%
TERMINAL (d)	2/30 (7%)	1/24 (4%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	724	---	---
STATISTICAL TESTS				
POLY 3	P=0.127N	P=0.667	P=0.244N	P=0.251N
POLY 1.5	P=0.126N	P=0.680	P=0.241N	P=0.246N
POLY 6	P=0.127N	P=0.652	P=0.245N	P=0.256N
COCH-ARM / FISHERS	P=0.124N	P=0.691N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.130N	P=0.469	P=0.082N	P=0.090N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Harderian Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	1/40.54	1/42.34	1/41.20
POLY-3 PERCENT (g)	0%	2.5%	2.4%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	686	729 (T)	657
STATISTICAL TESTS				
POLY 3	P=0.466	P=0.485	P=0.494	P=0.489
POLY 1.5	P=0.471	P=0.493	P=0.496	P=0.493
POLY 6	P=0.462	P=0.478	P=0.492	P=0.486
COCH-ARM / FISHERS	P=0.483	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.336	P=0.158	P=0.158	P=0.158

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	36/50 (72%)	35/50 (70%)	35/50 (70%)	35/50 (70%)
POLY-3 RATE (b)	36/45.88	35/45.02	35/45.18	35/45.01
POLY-3 PERCENT (g)	78.5%	77.7%	77.5%	77.8%
TERMINAL (d)	26/30 (87%)	20/24 (83%)	23/27 (85%)	20/26 (77%)
FIRST INCIDENCE	629	493	583	537
STATISTICAL TESTS				
POLY 3	P=0.543N	P=0.573N	P=0.559N	P=0.572N
POLY 1.5	P=0.552N	P=0.518N	P=0.535N	P=0.558N
POLY 6	P=0.500N	P=0.609	P=0.571N	P=0.555N
COCH-ARM / FISHERS	P=0.496N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.701N	P=0.464N	P=0.451N	P=0.466N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Heart Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	3/41.34	0/42.34	1/41.13
POLY-3 PERCENT (g)	0%	7.3%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	562	---	677
STATISTICAL TESTS				
POLY 3	P=0.635N	P=0.109	(e)	P=0.488
POLY 1.5	P=0.626N	P=0.114	(e)	P=0.492
POLY 6	P=0.642N	P=0.105	(e)	P=0.485
COCH-ARM / FISHERS	P=0.614N	P=0.121	(e)	P=0.500
MAX-ISO-POLY-3	P=0.278	P=0.038*	(e)	P=0.158

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Intestine Large, Cecum Edema				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/43.96	3/41.20	3/42.88	1/41.09
POLY-3 PERCENT (g)	4.6%	7.3%	7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	653	520	614	687
STATISTICAL TESTS				
POLY 3	P=0.327N	P=0.470	P=0.489	P=0.523N
POLY 1.5	P=0.320N	P=0.486	P=0.493	P=0.515N
POLY 6	P=0.335N	P=0.455	P=0.486	P=0.532N
COCH-ARM / FISHERS	P=0.304N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.365N	P=0.303	P=0.316	P=0.306N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Intestine Small, Duodenum: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/43.60	0/40.38	1/42.42	2/40.66
POLY-3 PERCENT (g)	0%	0%	2.4%	4.9%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	708	632
STATISTICAL TESTS				
POLY 3	P=0.079	(e)	P=0.495	P=0.222
POLY 1.5	P=0.079	(e)	P=0.497	P=0.225
POLY 6	P=0.080	(e)	P=0.493	P=0.219
COCH-ARM / FISHERS	P=0.081	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.077	(e)	P=0.158	P=0.074

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.96	2/40.38	0/42.34	0/40.26
POLY-3 PERCENT (g)	0%	5%	0%	0%
TERMINAL (d)	0/30 (0%)	2/24 (8%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.402N	P=0.223	(e)	(e)
POLY 1.5	P=0.393N	P=0.232	(e)	(e)
POLY 6	P=0.413N	P=0.214	(e)	(e)
COCH-ARM / FISHERS	P=0.382N	P=0.253	(e)	(e)
MAX-ISO-POLY-3	P=0.264N	P=0.076	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.60	1/40.95	2/42.53	1/40.93
POLY-3 PERCENT (g)	0%	2.4%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	---	547	679	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.476	P=0.487	P=0.231	P=0.487
POLY 1.5	P=0.484	P=0.494	P=0.234	P=0.492
POLY 6	P=0.469	P=0.481	P=0.230	P=0.483
COCH-ARM / FISHERS	P=0.500	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.239	P=0.158	P=0.076	P=0.158

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Infarct				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	2/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	4.7%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	2/27 (7%)	0/26 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.706N	(e)	P=0.230	(e)
POLY 1.5	P=0.704N	(e)	P=0.233	(e)
POLY 6	P=0.708N	(e)	P=0.228	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.260	(e)	P=0.076	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	7/50 (14%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	4/43.60	7/40.83	6/42.34	3/40.93
POLY-3 PERCENT (g)	9.2%	17.2%	14.2%	7.3%
TERMINAL (d)	4/30 (13%)	5/24 (21%)	6/27 (22%)	3/26 (12%)
FIRST INCIDENCE	729 (T)	615	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.279N	P=0.222	P=0.350	P=0.535N
POLY 1.5	P=0.270N	P=0.242	P=0.358	P=0.522N
POLY 6	P=0.288N	P=0.204	P=0.344	P=0.546N
COCH-ARM / FISHERS	P=0.250N	P=0.262	P=0.370	P=0.500N
MAX-ISO-POLY-3	P=0.326N	P=0.145	P=0.239	P=0.382N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney				
Nephropathy				
LESION RATES				
OVERALL (a)	45/50 (90%)	41/50 (82%)	43/50 (86%)	40/50 (80%)
POLY-3 RATE (b)	45/47.32	41/46.27	43/47.27	40/44.94
POLY-3 PERCENT (g)	95.1%	88.6%	91%	89%
TERMINAL (d)	30/30 (100%)	22/24 (92%)	27/27 (100%)	25/26 (96%)
FIRST INCIDENCE	554	493	453	493
STATISTICAL TESTS				
POLY 3	P=0.304N	P=0.184N	P=0.333N	P=0.206N
POLY 1.5	P=0.263N	P=0.153N	P=0.344N	P=0.163N
POLY 6	P=0.351N	P=0.231N	P=0.309N	P=0.263N
COCH-ARM / FISHERS	P=0.182N	P=0.194N	P=0.380N	P=0.131N
MAX-ISO-POLY-3	P=0.209N	P=0.092N	P=0.187N	P=0.106N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney: Renal Tubule Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/43.69	2/40.40	3/43.85	2/41.14
POLY-3 PERCENT (g)	2.3%	5%	6.8%	4.9%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	708	724	453	687
STATISTICAL TESTS				
POLY 3	P=0.478	P=0.473	P=0.306	P=0.479
POLY 1.5	P=0.484	P=0.486	P=0.306	P=0.486
POLY 6	P=0.473	P=0.458	P=0.309	P=0.473
COCH-ARM / FISHERS	P=0.500	P=0.500	P=0.309	P=0.500
MAX-ISO-POLY-3	P=0.366	P=0.265	P=0.155	P=0.269

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Kidney: Renal Tubule Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.16	1/40.40	2/42.78	2/41.67
POLY-3 PERCENT (g)	2.3%	2.5%	4.7%	4.8%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	554	724	632	493
STATISTICAL TESTS				
POLY 3	P=0.373	P=0.741	P=0.489	P=0.480
POLY 1.5	P=0.375	P=0.750	P=0.493	P=0.487
POLY 6	P=0.371	P=0.730	P=0.487	P=0.473
COCH-ARM / FISHERS	P=0.383	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.433	P=0.475	P=0.274	P=0.269

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.60	2/40.69	1/42.34	1/41.39
POLY-3 PERCENT (g)	2.3%	4.9%	2.4%	2.4%
TERMINAL (d)	1/30 (3%)	1/24 (4%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	642	729 (T)	593
STATISTICAL TESTS				
POLY 3	P=0.551N	P=0.476	P=0.754	P=0.749
POLY 1.5	P=0.547N	P=0.488	P=0.757	P=0.753
POLY 6	P=0.554N	P=0.464	P=0.753	P=0.746
COCH-ARM / FISHERS	P=0.539N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.594N	P=0.267	P=0.491	P=0.485

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	37/50 (74%)	37/50 (74%)	38/50 (76%)	34/50 (68%)
POLY-3 RATE (b)	37/46.32	37/45.13	38/45.61	34/43.67
POLY-3 PERCENT (g)	79.9%	82%	83.3%	77.9%
TERMINAL (d)	27/30 (90%)	21/24 (88%)	26/27 (96%)	25/26 (96%)
FIRST INCIDENCE	605	515	453	537
STATISTICAL TESTS				
POLY 3	P=0.398N	P=0.504	P=0.434	P=0.510N
POLY 1.5	P=0.346N	P=0.568	P=0.469	P=0.433N
POLY 6	P=0.472N	P=0.440	P=0.382	P=0.604N
COCH-ARM / FISHERS	P=0.254N	P=0.590N	P=0.500	P=0.330N
MAX-ISO-POLY-3	P=0.498N	P=0.391	P=0.325	P=0.401N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	10/50 (20%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	6/44.09	10/41.03	4/42.39	6/40.93
POLY-3 PERCENT (g)	13.6%	24.4%	9.4%	14.7%
TERMINAL (d)	4/30 (13%)	8/24 (33%)	3/27 (11%)	6/26 (23%)
FIRST INCIDENCE	650	537	715	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.413N	P=0.159	P=0.394N	P=0.568
POLY 1.5	P=0.398N	P=0.182	P=0.384N	P=0.588
POLY 6	P=0.431N	P=0.135	P=0.404N	P=0.546
COCH-ARM / FISHERS	P=0.370N	P=0.207	P=0.370N	P=0.620N
MAX-ISO-POLY-3	P=0.323N	P=0.108	P=0.277N	P=0.445

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Degeneration Cystic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.43	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	716	---	---
STATISTICAL TESTS				
POLY 3	P=0.598N	P=0.485	(e)	(e)
POLY 1.5	P=0.592N	P=0.492	(e)	(e)
POLY 6	P=0.604N	P=0.477	(e)	(e)
COCH-ARM / FISHERS	P=0.585N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	P=0.158	(e)	(e)

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	5/50 (10%)	3/50 (6%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	5/43.95	3/40.98	9/42.92	6/41.81
POLY-3 PERCENT (g)	11.4%	7.3%	21%	14.4%
TERMINAL (d)	4/30 (13%)	2/24 (8%)	6/27 (22%)	3/26 (12%)
FIRST INCIDENCE	632	537	627	589
STATISTICAL TESTS				
POLY 3	P=0.327	P=0.395N	P=0.177	P=0.465
POLY 1.5	P=0.328	P=0.375N	P=0.183	P=0.476
POLY 6	P=0.330	P=0.417N	P=0.173	P=0.456
COCH-ARM / FISHERS	P=0.346	P=0.357N	P=0.194	P=0.500
MAX-ISO-POLY-3	P=0.219	P=0.270N	P=0.113	P=0.344

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/43.96	1/40.43	1/42.74	0/40.93
POLY-3 PERCENT (g)	4.6%	2.5%	2.3%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	653	716	614	---
STATISTICAL TESTS				
POLY 3	P=0.197N	P=0.529N	P=0.510N	P=0.253N
POLY 1.5	P=0.197N	P=0.515N	P=0.506N	P=0.247N
POLY 6	P=0.197N	P=0.545N	P=0.513N	P=0.260N
COCH-ARM / FISHERS	P=0.193N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.149N	P=0.312N	P=0.291N	P=0.091N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	9/50 (18%)	6/50 (12%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	9/44.80	6/42.17	6/43.59	9/41.89
POLY-3 PERCENT (g)	20.1%	14.2%	13.8%	21.5%
TERMINAL (d)	4/30 (13%)	3/24 (13%)	0/27 (0%)	5/26 (19%)
FIRST INCIDENCE	605	493	591	590
STATISTICAL TESTS				
POLY 3	P=0.365	P=0.330N	P=0.306N	P=0.542
POLY 1.5	P=0.373	P=0.307N	P=0.299N	P=0.564
POLY 6	P=0.358	P=0.359N	P=0.309N	P=0.519
COCH-ARM / FISHERS	P=0.399	P=0.288N	P=0.288N	P=0.602N
MAX-ISO-POLY-3	P=0.420	P=0.242N	P=0.218N	P=0.437

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Infiltration Cellular Mixed Cell				
LESION RATES				
OVERALL (a)	6/50 (12%)	7/50 (14%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	6/43.86	7/41.24	9/42.90	6/41.29
POLY-3 PERCENT (g)	13.7%	17%	21%	14.5%
TERMINAL (d)	5/30 (17%)	3/24 (13%)	7/27 (26%)	5/26 (19%)
FIRST INCIDENCE	659	616	605	629
STATISTICAL TESTS				
POLY 3	P=0.539N	P=0.452	P=0.269	P=0.578
POLY 1.5	P=0.528N	P=0.476	P=0.276	P=0.593
POLY 6	P=0.550N	P=0.430	P=0.265	P=0.564
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.288	P=0.620N
MAX-ISO-POLY-3	P=0.493	P=0.341	P=0.187	P=0.455

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	11/50 (22%)	9/50 (18%)	5/50 (10%)
POLY-3 RATE (b)	6/43.96	11/42.26	9/43.96	5/41.45
POLY-3 PERCENT (g)	13.7%	26%	20.5%	12.1%
TERMINAL (d)	5/30 (17%)	5/24 (21%)	5/27 (19%)	3/26 (12%)
FIRST INCIDENCE	629	515	453	593
STATISTICAL TESTS				
POLY 3	P=0.239N	P=0.118	P=0.285	P=0.541N
POLY 1.5	P=0.228N	P=0.131	P=0.286	P=0.527N
POLY 6	P=0.249N	P=0.109	P=0.288	P=0.555N
COCH-ARM / FISHERS	P=0.205N	P=0.143	P=0.288	P=0.500N
MAX-ISO-POLY-3	P=0.288N	P=0.076	P=0.198	P=0.414N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver				
Necrosis Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.60	2/40.39	1/42.42	2/41.27
POLY-3 PERCENT (g)	0%	5%	2.4%	4.9%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	726	708	636
STATISTICAL TESTS				
POLY 3	P=0.295	P=0.220	P=0.495	P=0.225
POLY 1.5	P=0.301	P=0.229	P=0.497	P=0.229
POLY 6	P=0.290	P=0.212	P=0.493	P=0.221
COCH-ARM / FISHERS	P=0.313	P=0.247	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.162	P=0.075	P=0.158	P=0.076

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Bile Duct Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	6/50 (12%)	7/50 (14%)	6/50 (12%)
POLY-3 RATE (b)	5/44.17	6/41.75	7/43.67	6/41.90
POLY-3 PERCENT (g)	11.3%	14.4%	16%	14.3%
TERMINAL (d)	2/30 (7%)	2/24 (8%)	2/27 (7%)	3/26 (12%)
FIRST INCIDENCE	605	547	455	589
STATISTICAL TESTS				
POLY 3	P=0.469	P=0.460	P=0.370	P=0.463
POLY 1.5	P=0.476	P=0.481	P=0.374	P=0.475
POLY 6	P=0.464	P=0.441	P=0.369	P=0.453
COCH-ARM / FISHERS	P=0.500	P=0.500	P=0.380	P=0.500
MAX-ISO-POLY-3	P=0.491	P=0.340	P=0.262	P=0.342

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Centrilobular Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/44.16	3/41.34	2/42.80	4/41.65
POLY-3 PERCENT (g)	2.3%	7.3%	4.7%	9.6%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	554	562	614	636
STATISTICAL TESTS				
POLY 3	P=0.172	P=0.282	P=0.489	P=0.161
POLY 1.5	P=0.177	P=0.293	P=0.493	P=0.167
POLY 6	P=0.169	P=0.271	P=0.487	P=0.156
COCH-ARM / FISHERS	P=0.189	P=0.309	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.128	P=0.145	P=0.274	P=0.079

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone
 CAS Number: 1896-62-4

Date Report Requested: 07/06/2010
 Time Report Requested: 12:57:38
 First Dose M/F: 04/05/04 / 04/05/04
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Hepatocyte Hyperplasia Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.60	3/41.03	1/42.34	2/41.31
POLY-3 PERCENT (g)	0%	7.3%	2.4%	4.8%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	537	729 (T)	636
STATISTICAL TESTS				
POLY 3	P=0.405	P=0.108	P=0.494	P=0.225
POLY 1.5	P=0.413	P=0.113	P=0.496	P=0.229
POLY 6	P=0.398	P=0.102	P=0.492	P=0.222
COCH-ARM / FISHERS	P=0.429	P=0.121	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.194	P=0.037*	P=0.158	P=0.076

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Liver: Hepatocyte Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	6/50 (12%)	6/50 (12%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	6/44.29	6/41.26	4/43.34	4/41.12
POLY-3 PERCENT (g)	13.6%	14.5%	9.2%	9.7%
TERMINAL (d)	3/30 (10%)	4/24 (17%)	1/27 (4%)	2/26 (8%)
FIRST INCIDENCE	632	591	583	693
STATISTICAL TESTS				
POLY 3	P=0.323N	P=0.571	P=0.383N	P=0.416N
POLY 1.5	P=0.314N	P=0.596	P=0.378N	P=0.399N
POLY 6	P=0.332N	P=0.544	P=0.386N	P=0.435N
COCH-ARM / FISHERS	P=0.295N	P=0.620N	P=0.370N	P=0.370N
MAX-ISO-POLY-3	P=0.427N	P=0.448	P=0.266N	P=0.299N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung Edema				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.43	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	716	---	---
STATISTICAL TESTS				
POLY 3	P=0.598N	P=0.485	(e)	(e)
POLY 1.5	P=0.592N	P=0.492	(e)	(e)
POLY 6	P=0.604N	P=0.477	(e)	(e)
COCH-ARM / FISHERS	P=0.585N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	P=0.158	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	7/50 (14%)	4/50 (8%)	3/50 (6%)	7/50 (14%)
POLY-3 RATE (b)	7/46.17	4/41.53	3/43.10	7/41.13
POLY-3 PERCENT (g)	15.2%	9.6%	7%	17%
TERMINAL (d)	2/30 (7%)	2/24 (8%)	1/27 (4%)	6/26 (23%)
FIRST INCIDENCE	22	537	614	677
STATISTICAL TESTS				
POLY 3	P=0.338	P=0.324N	P=0.186N	P=0.522
POLY 1.5	P=0.348	P=0.299N	P=0.179N	P=0.550
POLY 6	P=0.326	P=0.352N	P=0.192N	P=0.492
COCH-ARM / FISHERS	P=0.377	P=0.262N	P=0.159N	P=0.613N
MAX-ISO-POLY-3	P=0.318	P=0.230N	P=0.117N	P=0.410

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	14/50 (28%)	16/50 (32%)	19/50 (38%)	22/50 (44%)
POLY-3 RATE (b)	14/44.46	16/42.09	19/43.84	22/43.95
POLY-3 PERCENT (g)	31.5%	38%	43.3%	50.1%
TERMINAL (d)	10/30 (33%)	11/24 (46%)	13/27 (48%)	13/26 (50%)
FIRST INCIDENCE	554	372	605	470
STATISTICAL TESTS				
POLY 3	P=0.050*	P=0.338	P=0.172	P=0.054
POLY 1.5	P=0.050*	P=0.381	P=0.181	P=0.059
POLY 6	P=0.055	P=0.291	P=0.172	P=0.053
COCH-ARM / FISHERS	P=0.057	P=0.414	P=0.198	P=0.072
MAX-ISO-POLY-3	P=0.055	P=0.265	P=0.123	P=0.035*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	10/50 (20%)	8/50 (16%)	12/50 (24%)	7/50 (14%)
POLY-3 RATE (b)	10/43.86	8/40.51	12/42.80	7/40.93
POLY-3 PERCENT (g)	22.8%	19.8%	28%	17.1%
TERMINAL (d)	9/30 (30%)	6/24 (25%)	11/27 (41%)	7/26 (27%)
FIRST INCIDENCE	659	708	591	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.329N	P=0.470N	P=0.377	P=0.351N
POLY 1.5	P=0.321N	P=0.433N	P=0.388	P=0.331N
POLY 6	P=0.339N	P=0.510N	P=0.368	P=0.372N
COCH-ARM / FISHERS	P=0.296N	P=0.398N	P=0.405	P=0.298N
MAX-ISO-POLY-3	P=0.390N	P=0.370N	P=0.290	P=0.263N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.60	3/40.78	0/42.34	3/41.86
POLY-3 PERCENT (g)	2.3%	7.4%	0%	7.2%
TERMINAL (d)	1/30 (3%)	1/24 (4%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	729 (T)	632	---	470
STATISTICAL TESTS				
POLY 3	P=0.307	P=0.281	P=0.506N	P=0.290
POLY 1.5	P=0.311	P=0.293	P=0.504N	P=0.295
POLY 6	P=0.304	P=0.270	P=0.508N	P=0.286
COCH-ARM / FISHERS	P=0.320	P=0.309	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.215	P=0.145	P=0.166N	P=0.148

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung Pigmentation				
LESION RATES				
OVERALL (a)	4/50 (8%)	4/50 (8%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	4/43.60	4/40.53	8/42.34	4/41.04
POLY-3 PERCENT (g)	9.2%	9.9%	18.9%	9.8%
TERMINAL (d)	4/30 (13%)	2/24 (8%)	8/27 (30%)	3/26 (12%)
FIRST INCIDENCE	729 (T)	703	729 (T)	701
STATISTICAL TESTS				
POLY 3	P=0.578	P=0.603	P=0.160	P=0.610
POLY 1.5	P=0.576N	P=0.623	P=0.167	P=0.622
POLY 6	P=0.573	P=0.583	P=0.154	P=0.600
COCH-ARM / FISHERS	P=0.554N	P=0.643N	P=0.178	P=0.643N
MAX-ISO-POLY-3	P=0.381	P=0.458	P=0.099	P=0.464

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	5/43.60	1/40.38	6/42.34	4/41.13
POLY-3 PERCENT (g)	11.5%	2.5%	14.2%	9.7%
TERMINAL (d)	5/30 (17%)	1/24 (4%)	6/27 (22%)	3/26 (12%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	677
STATISTICAL TESTS				
POLY 3	P=0.490	P=0.119N	P=0.479	P=0.537N
POLY 1.5	P=0.488	P=0.110N	P=0.487	P=0.524N
POLY 6	P=0.493	P=0.129N	P=0.473	P=0.547N
COCH-ARM / FISHERS	P=0.500	P=0.102N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.372	P=0.060N	P=0.355	P=0.399N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/43.60	0/40.01	1/42.47	3/42.33
POLY-3 PERCENT (g)	2.3%	0%	2.4%	7.1%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	---	694	17
STATISTICAL TESTS				
POLY 3	P=0.084	P=0.517N	P=0.755	P=0.294
POLY 1.5	P=0.083	P=0.510N	P=0.757	P=0.300
POLY 6	P=0.085	P=0.524N	P=0.754	P=0.290
COCH-ARM / FISHERS	P=0.083	P=0.505N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.088	P=0.178N	P=0.492	P=0.149

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Ectasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	1/40.01	2/42.94	0/40.93
POLY-3 PERCENT (g)	0%	2.5%	4.7%	0%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	729 (T)	591	---
STATISTICAL TESTS				
POLY 3	P=0.535N	P=0.483	P=0.234	(e)
POLY 1.5	P=0.528N	P=0.490	P=0.235	(e)
POLY 6	P=0.542N	P=0.476	P=0.234	(e)
COCH-ARM / FISHERS	P=0.514N	P=0.495	P=0.247	(e)
MAX-ISO-POLY-3	P=0.338	P=0.157	P=0.076	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/49 (10%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	4/44.36	5/40.95	9/44.26	8/41.85
POLY-3 PERCENT (g)	9%	12.2%	20.3%	19.1%
TERMINAL (d)	1/30 (3%)	2/24 (8%)	3/27 (11%)	4/26 (15%)
FIRST INCIDENCE	650	591	583	613
STATISTICAL TESTS				
POLY 3	P=0.138	P=0.450	P=0.113	P=0.148
POLY 1.5	P=0.145	P=0.469	P=0.114	P=0.158
POLY 6	P=0.132	P=0.429	P=0.114	P=0.138
COCH-ARM / FISHERS	P=0.165	P=0.487	P=0.117	P=0.178
MAX-ISO-POLY-3	P=0.142	P=0.322	P=0.065	P=0.093

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	11/50 (22%)	12/49 (24%)	13/50 (26%)	19/50 (38%)
POLY-3 RATE (b)	11/45.87	12/42.91	13/44.89	19/44.97
POLY-3 PERCENT (g)	24%	28%	29%	42.3%
TERMINAL (d)	4/30 (13%)	5/24 (21%)	5/27 (19%)	11/26 (42%)
FIRST INCIDENCE	426	372	455	306
STATISTICAL TESTS				
POLY 3	P=0.031*	P=0.426	P=0.382	P=0.048*
POLY 1.5	P=0.032*	P=0.456	P=0.392	P=0.053
POLY 6	P=0.030*	P=0.395	P=0.375	P=0.043*
COCH-ARM / FISHERS	P=0.036*	P=0.478	P=0.408	P=0.063
MAX-ISO-POLY-3	P=0.046*	P=0.338	P=0.297	P=0.031*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node, Mesenteric Pigmentation				
LESION RATES				
OVERALL (a)	6/50 (12%)	3/49 (6%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	6/44.27	3/40.01	2/42.34	6/41.34
POLY-3 PERCENT (g)	13.6%	7.5%	4.7%	14.5%
TERMINAL (d)	3/30 (10%)	3/24 (13%)	2/27 (7%)	5/26 (19%)
FIRST INCIDENCE	632	729 (T)	729 (T)	613
STATISTICAL TESTS				
POLY 3	P=0.357	P=0.293N	P=0.147N	P=0.572
POLY 1.5	P=0.359	P=0.272N	P=0.141N	P=0.590
POLY 6	P=0.355	P=0.319N	P=0.153N	P=0.553
COCH-ARM / FISHERS	P=0.370	P=0.254N	P=0.134N	P=0.620N
MAX-ISO-POLY-3	P=0.311	P=0.196N	P=0.082N	P=0.449

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Lymph Node: Deep Cervical
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/16 (0%)	0/13 (0%)	0/14 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/13.02	0/10.17	0/11.88	0/8.96
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/4 (0%)	0/5 (0%)	0/7 (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. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Ectasia				
LESION RATES				
OVERALL (a)	1/16 (6%)	1/13 (8%)	2/14 (14%)	0/12 (0%)
POLY-3 RATE (b)	1/13.37	1/10.81	2/11.88	0/8.96
POLY-3 PERCENT (g)	7.5%	9.3%	16.8%	0%
TERMINAL (d)	0/8 (0%)	0/4 (0%)	2/5 (40%)	0/7 (0%)
FIRST INCIDENCE	632	520	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.429N	P=0.715	P=0.457	P=0.579N
POLY 1.5	P=0.420N	P=0.720	P=0.466	P=0.573N
POLY 6	P=0.434N	P=0.710	P=0.441	P=0.583N
COCH-ARM / FISHERS	P=0.388N	P=0.704	P=0.448	P=0.571N
MAX-ISO-POLY-3	P=0.356N	P=0.441	P=0.244	P=0.235N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Hemorrhage				
LESION RATES				
OVERALL (a)	1/16 (6%)	6/13 (46%)	7/14 (50%)	4/12 (33%)
POLY-3 RATE (b)	1/13.37	6/11.07	7/13.33	4/9.65
POLY-3 PERCENT (g)	7.5%	54.2%	52.5%	41.5%
TERMINAL (d)	0/8 (0%)	2/4 (50%)	2/5 (40%)	3/7 (43%)
FIRST INCIDENCE	632	493	583	493
STATISTICAL TESTS				
POLY 3	P=0.229	P=0.010**	P=0.009**	P=0.066
POLY 1.5	P=0.234	P=0.012*	P=0.009**	P=0.069
POLY 6	P=0.232	P=0.008**	P=0.011*	P=0.065
COCH-ARM / FISHERS	P=0.286	P=0.019*	P=0.010**	P=0.089
MAX-ISO-POLY-3	P=0.039*	P=0.003**	P=0.003**	P=0.030*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	5/16 (31%)	5/13 (38%)	3/14 (21%)	4/12 (33%)
POLY-3 RATE (b)	5/14.96	5/11.33	3/12.31	4/9.97
POLY-3 PERCENT (g)	33.4%	44.2%	24.4%	40.1%
TERMINAL (d)	1/8 (13%)	2/4 (50%)	2/5 (40%)	2/7 (29%)
FIRST INCIDENCE	22	520	605	493
STATISTICAL TESTS				
POLY 3	P=0.545	P=0.440	P=0.463N	P=0.533
POLY 1.5	P=0.548	P=0.461	P=0.444N	P=0.540
POLY 6	P=0.546	P=0.418	P=0.498N	P=0.531
COCH-ARM / FISHERS	P=0.589N	P=0.493	P=0.426N	P=0.612
MAX-ISO-POLY-3	P=0.598	P=0.306	P=0.317N	P=0.383

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Mediastinal Pigmentation				
LESION RATES				
OVERALL (a)	5/16 (31%)	8/13 (62%)	6/14 (43%)	4/12 (33%)
POLY-3 RATE (b)	5/13.02	8/11.54	6/12.41	4/8.96
POLY-3 PERCENT (g)	38.4%	69.3%	48.3%	44.7%
TERMINAL (d)	5/8 (63%)	3/4 (75%)	3/5 (60%)	4/7 (57%)
FIRST INCIDENCE	729 (T)	493	614	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.494N	P=0.116	P=0.458	P=0.558
POLY 1.5	P=0.472N	P=0.118	P=0.451	P=0.571
POLY 6	P=0.506N	P=0.128	P=0.471	P=0.560
COCH-ARM / FISHERS	P=0.399N	P=0.105	P=0.390	P=0.612
MAX-ISO-POLY-3	P=0.405	P=0.053	P=0.307	P=0.394

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Ectasia				
LESION RATES				
OVERALL (a)	1/16 (6%)	1/13 (8%)	0/14 (0%)	0/12 (0%)
POLY-3 RATE (b)	1/13.02	1/10.27	0/11.88	0/8.96
POLY-3 PERCENT (g)	7.7%	9.7%	0%	0%
TERMINAL (d)	1/8 (13%)	0/4 (0%)	0/5 (0%)	0/7 (0%)
FIRST INCIDENCE	729 (T)	703	---	---
STATISTICAL TESTS				
POLY 3	P=0.346N	P=0.709	P=0.518N	P=0.574N
POLY 1.5	P=0.346N	P=0.716	P=0.516N	P=0.570N
POLY 6	P=0.346N	P=0.705	P=0.523N	P=0.575N
COCH-ARM / FISHERS	P=0.341N	P=0.704	P=0.533N	P=0.571N
MAX-ISO-POLY-3	P=0.331N	P=0.435	P=0.172N	P=0.229N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Hemorrhage				
LESION RATES				
OVERALL (a)	0/16 (0%)	1/13 (8%)	1/14 (7%)	2/12 (17%)
POLY-3 RATE (b)	0/13.02	1/10.81	1/12.02	2/9.96
POLY-3 PERCENT (g)	0%	9.3%	8.3%	20.1%
TERMINAL (d)	0/8 (0%)	0/4 (0%)	0/5 (0%)	1/7 (14%)
FIRST INCIDENCE	---	520	694	17
STATISTICAL TESTS				
POLY 3	P=0.139	P=0.462	P=0.484	P=0.166
POLY 1.5	P=0.142	P=0.465	P=0.485	P=0.170
POLY 6	P=0.140	P=0.462	P=0.482	P=0.167
COCH-ARM / FISHERS	P=0.136	P=0.448	P=0.467	P=0.175
MAX-ISO-POLY-3	P=0.092	P=0.143	P=0.148	P=0.051

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/16 (0%)	0/13 (0%)	0/14 (0%)	0/12 (0%)
POLY-3 RATE (b)	0/13.02	0/10.17	0/11.88	0/8.96
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/4 (0%)	0/5 (0%)	0/7 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Lymph Node: Pancreatic Pigmentation				
LESION RATES				
OVERALL (a)	1/16 (6%)	2/13 (15%)	1/14 (7%)	0/12 (0%)
POLY-3 RATE (b)	1/13.02	2/10.91	1/12.02	0/8.96
POLY-3 PERCENT (g)	7.7%	18.3%	8.3%	0%
TERMINAL (d)	1/8 (13%)	0/4 (0%)	0/5 (0%)	0/7 (0%)
FIRST INCIDENCE	729 (T)	520	694	---
STATISTICAL TESTS				
POLY 3	P=0.298N	P=0.436	P=0.745	P=0.574N
POLY 1.5	P=0.294N	P=0.439	P=0.745	P=0.570N
POLY 6	P=0.297N	P=0.439	P=0.744	P=0.575N
COCH-ARM / FISHERS	P=0.277N	P=0.420	P=0.724	P=0.571N
MAX-ISO-POLY-3	P=0.308N	P=0.229	P=0.476	P=0.229N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	48/50 (96%)	48/50 (96%)	47/50 (94%)	46/50 (92%)
POLY-3 RATE (b)	48/48.89	48/48.44	47/47.69	46/47.00
POLY-3 PERCENT (g)	98.2%	99.1%	98.6%	97.9%
TERMINAL (d)	30/30 (100%)	24/24 (100%)	27/27 (100%)	26/26 (100%)
FIRST INCIDENCE	426	515	455	470
STATISTICAL TESTS				
POLY 3	P=0.600N	P=0.721	P=0.786	P=0.777N
POLY 1.5	P=0.425N	P=0.799	P=0.722N	P=0.580N
POLY 6	P=0.806	P=0.660	P=0.721	P=0.787
COCH-ARM / FISHERS	P=0.232N	P=0.691N	P=0.500N	P=0.339N
MAX-ISO-POLY-3	P=0.547N	P=0.323	P=0.429	P=0.447N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mammary Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	2/41.34	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	4.8%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	578	---	---
STATISTICAL TESTS				
POLY 3	P=0.396N	P=0.225	(e)	(e)
POLY 1.5	P=0.389N	P=0.231	(e)	(e)
POLY 6	P=0.403N	P=0.220	(e)	(e)
COCH-ARM / FISHERS	P=0.380N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.267N	P=0.076	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mesentery				
Accessory Spleen				
LESION RATES				
OVERALL (a)	0/23 (0%)	0/18 (0%)	4/23 (17%)	3/25 (12%)
POLY-3 RATE (b)	0/19.97	0/15.42	4/20.70	3/23.11
POLY-3 PERCENT (g)	0%	0%	19.3%	13%
TERMINAL (d)	0/13 (0%)	0/11 (0%)	4/14 (29%)	2/16 (13%)
FIRST INCIDENCE	---	---	729 (T)	693
STATISTICAL TESTS				
POLY 3	P=0.122	(e)	P=0.056	P=0.140
POLY 1.5	P=0.112	(e)	P=0.054	P=0.135
POLY 6	P=0.140	(e)	P=0.060	P=0.151
COCH-ARM / FISHERS	P=0.105	(e)	P=0.054	P=0.133
MAX-ISO-POLY-3	P=0.058	(e)	P=0.018*	P=0.054

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	22/23 (96%)	17/18 (94%)	21/23 (91%)	20/25 (80%)
POLY-3 RATE (b)	22/23.00	17/18.00	21/23.00	20/24.80
POLY-3 PERCENT (g)	95.7%	94.4%	91.3%	80.6%
TERMINAL (d)	12/13 (92%)	10/11 (91%)	12/14 (86%)	12/16 (75%)
FIRST INCIDENCE	554	520	453	493
STATISTICAL TESTS				
POLY 3	P=0.051N	P=0.705N	P=0.500N	P=0.122N
POLY 1.5	P=0.048N*	P=0.705N	P=0.500N	P=0.117N
POLY 6	P=0.058N	P=0.705N	P=0.500N	P=0.130N
COCH-ARM / FISHERS	P=0.044N*	P=0.691N	P=0.500N	P=0.114N
MAX-ISO-POLY-3	P=0.069N	P=0.433N	P=0.279N	P=0.055N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	2/48 (4%)	1/50 (2%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	2/42.10	1/40.78	5/43.65	3/40.93
POLY-3 PERCENT (g)	4.8%	2.5%	11.5%	7.3%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	2/27 (7%)	3/26 (12%)
FIRST INCIDENCE	708	615	455	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.341	P=0.511N	P=0.230	P=0.487
POLY 1.5	P=0.347	P=0.498N	P=0.232	P=0.499
POLY 6	P=0.333	P=0.525N	P=0.230	P=0.474
COCH-ARM / FISHERS	P=0.365	P=0.485N	P=0.235	P=0.520
MAX-ISO-POLY-3	P=0.238	P=0.294N	P=0.131	P=0.316

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<hr/>				
Nose				
Fungus				
<hr/>				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.02	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	8/48 (17%)	1/50 (2%)	4/50 (8%)	9/50 (18%)
POLY-3 RATE (b)	8/42.05	1/40.43	4/43.89	9/41.39
POLY-3 PERCENT (g)	19%	2.5%	9.1%	21.7%
TERMINAL (d)	7/30 (23%)	0/24 (0%)	1/27 (4%)	8/26 (31%)
FIRST INCIDENCE	720	715	455	593
STATISTICAL TESTS				
POLY 3	P=0.106	P=0.017N*	P=0.154N	P=0.485
POLY 1.5	P=0.104	P=0.015N*	P=0.156N	P=0.504
POLY 6	P=0.108	P=0.020N*	P=0.150N	P=0.467
COCH-ARM / FISHERS	P=0.112	P=0.013N*	P=0.159N	P=0.537
MAX-ISO-POLY-3	P=0.096	P=0.008N**	P=0.094N	P=0.380

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	2/48 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/42.02	0/40.38	0/42.34	2/40.93
POLY-3 PERCENT (g)	4.8%	0%	0%	4.9%
TERMINAL (d)	2/30 (7%)	0/24 (0%)	0/27 (0%)	2/26 (8%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.397	P=0.246N	P=0.235N	P=0.685
POLY 1.5	P=0.393	P=0.237N	P=0.232N	P=0.694
POLY 6	P=0.401	P=0.256N	P=0.238N	P=0.676
COCH-ARM / FISHERS	P=0.393	P=0.237N	P=0.237N	P=0.676N
MAX-ISO-POLY-3	P=0.274	P=0.086N	P=0.076N	P=0.489

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	5/48 (10%)	0/50 (0%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	5/42.14	0/40.38	3/43.13	4/41.39
POLY-3 PERCENT (g)	11.9%	0%	7%	9.7%
TERMINAL (d)	3/30 (10%)	0/24 (0%)	1/27 (4%)	3/26 (12%)
FIRST INCIDENCE	708	---	605	593
STATISTICAL TESTS				
POLY 3	P=0.416	P=0.034N*	P=0.343N	P=0.511N
POLY 1.5	P=0.409	P=0.030N*	P=0.340N	P=0.498N
POLY 6	P=0.423	P=0.038N*	P=0.344N	P=0.525N
COCH-ARM / FISHERS	P=0.412	P=0.025N*	P=0.335N	P=0.474N
MAX-ISO-POLY-3	P=0.220N	P=0.013N*	P=0.220N	P=0.374N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	1/48 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.02	0/40.38	2/43.13	0/40.93
POLY-3 PERCENT (g)	2.4%	0%	4.6%	0%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	---	605	---
STATISTICAL TESTS				
POLY 3	P=0.449N	P=0.508N	P=0.509	P=0.505N
POLY 1.5	P=0.449N	P=0.500N	P=0.511	P=0.500N
POLY 6	P=0.449N	P=0.517N	P=0.509	P=0.511N
COCH-ARM / FISHERS	P=0.444N	P=0.490N	P=0.515	P=0.490N
MAX-ISO-POLY-3	P=0.344N	P=0.171N	P=0.289	P=0.168N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Ovary Cyst				
LESION RATES				
OVERALL (a)	10/50 (20%)	7/50 (14%)	2/48 (4%)	5/50 (10%)
POLY-3 RATE (b)	10/43.95	7/41.62	2/41.16	5/41.94
POLY-3 PERCENT (g)	22.8%	16.8%	4.9%	11.9%
TERMINAL (d)	8/30 (27%)	3/24 (13%)	1/26 (4%)	3/26 (12%)
FIRST INCIDENCE	650	520	587	537
STATISTICAL TESTS				
POLY 3	P=0.146N	P=0.338N	P=0.017N*	P=0.148N
POLY 1.5	P=0.147N	P=0.316N	P=0.017N*	P=0.143N
POLY 6	P=0.144N	P=0.362N	P=0.017N*	P=0.153N
COCH-ARM / FISHERS	P=0.145N	P=0.298N	P=0.017N*	P=0.131N
MAX-ISO-POLY-3	P=0.047N*	P=0.252N	P=0.009N**	P=0.097N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas Atrophy				
LESION RATES				
OVERALL (a)	14/49 (29%)	8/50 (16%)	13/50 (26%)	20/49 (41%)
POLY-3 RATE (b)	14/43.66	8/42.38	13/43.92	20/42.88
POLY-3 PERCENT (g)	32.1%	18.9%	29.6%	46.7%
TERMINAL (d)	10/30 (33%)	3/24 (13%)	7/27 (26%)	11/26 (42%)
FIRST INCIDENCE	644	372	554	470
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.121N	P=0.492N	P=0.117
POLY 1.5	P=0.014*	P=0.108N	P=0.486N	P=0.124
POLY 6	P=0.016*	P=0.138N	P=0.492N	P=0.114
COCH-ARM / FISHERS	P=0.018*	P=0.103N	P=0.475N	P=0.144
MAX-ISO-POLY-3	P=0.023*	P=0.082N	P=0.399N	P=0.080

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas Cyst				
LESION RATES				
OVERALL (a)	13/49 (27%)	16/50 (32%)	15/50 (30%)	30/49 (61%)
POLY-3 RATE (b)	13/43.87	16/43.70	15/44.46	30/45.04
POLY-3 PERCENT (g)	29.6%	36.6%	33.7%	66.6%
TERMINAL (d)	9/30 (30%)	9/24 (38%)	8/27 (30%)	15/26 (58%)
FIRST INCIDENCE	629	515	453	493
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.319	P=0.426	P<0.001**
POLY 1.5	P<0.001**	P=0.341	P=0.431	P<0.001**
POLY 6	P<0.001**	P=0.297	P=0.423	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.353	P=0.437	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.244	P=0.338	P<0.001**

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Pancreas: Acinus
Cytoplasmic Alteration

LESION RATES

OVERALL (a)	2/49 (4%)	2/50 (4%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/43.24	2/40.39	1/42.42	2/40.66
POLY-3 PERCENT (g)	4.6%	5%	2.4%	4.9%
TERMINAL (d)	1/30 (3%)	1/24 (4%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	653	726	708	632

STATISTICAL TESTS

POLY 3	P=0.604	P=0.670	P=0.507N	P=0.672
POLY 1.5	P=0.606	P=0.685	P=0.501N	P=0.679
POLY 6	P=0.603	P=0.651	P=0.512N	P=0.665
COCH-ARM / FISHERS	P=0.616	P=0.684N	P=0.492N	P=0.691N
MAX-ISO-POLY-3	P=0.620N	P=0.472	P=0.289N	P=0.475

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pancreas: Acinus Hyperplasia Focal				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.96	1/40.69	0/42.34	0/40.26
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	642	---	---
STATISTICAL TESTS				
POLY 3	P=0.599N	P=0.489	(e)	(e)
POLY 1.5	P=0.593N	P=0.497	(e)	(e)
POLY 6	P=0.605N	P=0.482	(e)	(e)
COCH-ARM / FISHERS	P=0.587N	P=0.505	(e)	(e)
MAX-ISO-POLY-3	P=0.400N	P=0.160	(e)	(e)

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	2/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	4.7%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	2/27 (7%)	0/26 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.706N	(e)	P=0.230	(e)
POLY 1.5	P=0.704N	(e)	P=0.233	(e)
POLY 6	P=0.708N	(e)	P=0.228	(e)
COCH-ARM / FISHERS	P=0.695N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.260	(e)	P=0.076	(e)

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Pituitary Gland: Pars Distalis
Angiectasis

LESION RATES

OVERALL (a)	7/50 (14%)	2/50 (4%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	7/43.86	2/41.13	9/43.85	8/42.39
POLY-3 PERCENT (g)	16%	4.9%	20.5%	18.9%
TERMINAL (d)	6/30 (20%)	0/24 (0%)	6/27 (22%)	3/26 (12%)
FIRST INCIDENCE	659	515	554	493

STATISTICAL TESTS

POLY 3	P=0.204	P=0.094N	P=0.391	P=0.471
POLY 1.5	P=0.200	P=0.086N	P=0.391	P=0.479
POLY 6	P=0.213	P=0.102N	P=0.397	P=0.468
COCH-ARM / FISHERS	P=0.208	P=0.080N	P=0.393	P=0.500
MAX-ISO-POLY-3	P=0.194	P=0.052N	P=0.291	P=0.362

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis Cyst				
LESION RATES				
OVERALL (a)	22/50 (44%)	14/50 (28%)	20/50 (40%)	16/50 (32%)
POLY-3 RATE (b)	22/45.01	14/43.53	20/45.78	16/43.75
POLY-3 PERCENT (g)	48.9%	32.2%	43.7%	36.6%
TERMINAL (d)	17/30 (57%)	7/24 (29%)	10/27 (37%)	9/26 (35%)
FIRST INCIDENCE	554	372	453	470
STATISTICAL TESTS				
POLY 3	P=0.302N	P=0.078N	P=0.387N	P=0.165N
POLY 1.5	P=0.309N	P=0.070N	P=0.402N	P=0.162N
POLY 6	P=0.285N	P=0.086N	P=0.355N	P=0.160N
COCH-ARM / FISHERS	P=0.292N	P=0.072N	P=0.420N	P=0.151N
MAX-ISO-POLY-3	P=0.192N	P=0.053N	P=0.309N	P=0.120N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia Focal				
LESION RATES				
OVERALL (a)	10/50 (20%)	4/50 (8%)	11/50 (22%)	9/50 (18%)
POLY-3 RATE (b)	10/44.49	4/41.07	11/43.29	9/42.04
POLY-3 PERCENT (g)	22.5%	9.7%	25.4%	21.4%
TERMINAL (d)	8/30 (27%)	3/24 (13%)	7/27 (26%)	5/26 (19%)
FIRST INCIDENCE	554	493	591	493
STATISTICAL TESTS				
POLY 3	P=0.386	P=0.095N	P=0.471	P=0.556N
POLY 1.5	P=0.386	P=0.083N	P=0.482	P=0.536N
POLY 6	P=0.390	P=0.110N	P=0.466	P=0.573N
COCH-ARM / FISHERS	P=0.404	P=0.074N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.338	P=0.061N	P=0.374	P=0.452N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Pituitary Gland: Pars Intermedia
Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/43.60	1/40.38	2/42.34	2/41.09
POLY-3 PERCENT (g)	2.3%	2.5%	4.7%	4.9%
TERMINAL (d)	1/30 (3%)	1/24 (4%)	2/27 (7%)	1/26 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	687

STATISTICAL TESTS

POLY 3	P=0.370	P=0.744	P=0.490	P=0.479
POLY 1.5	P=0.373	P=0.752	P=0.494	P=0.486
POLY 6	P=0.369	P=0.734	P=0.487	P=0.473
COCH-ARM / FISHERS	P=0.383	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.432	P=0.478	P=0.274	P=0.269

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Pituitary Gland: Pars Intermedia Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/43.60	2/40.38	1/42.34	4/40.93
POLY-3 PERCENT (g)	2.3%	5%	2.4%	9.8%
TERMINAL (d)	1/30 (3%)	2/24 (8%)	1/27 (4%)	4/26 (15%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.098	P=0.473	P=0.754	P=0.159
POLY 1.5	P=0.101	P=0.487	P=0.757	P=0.166
POLY 6	P=0.095	P=0.459	P=0.753	P=0.152
COCH-ARM / FISHERS	P=0.107	P=0.500	P=0.753N	P=0.181
MAX-ISO-POLY-3	P=0.093	P=0.265	P=0.491	P=0.078

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG

Pituitary Gland: Pars Nervosa
Infiltration Cellular Mixed Cell

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Salivary Glands Atrophy				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/43.60	2/40.38	2/42.34	2/40.93
POLY-3 PERCENT (g)	6.9%	5%	4.7%	4.9%
TERMINAL (d)	3/30 (10%)	2/24 (8%)	2/27 (7%)	2/26 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.501N	P=0.535N	P=0.513N	P=0.529N
POLY 1.5	P=0.499N	P=0.517N	P=0.508N	P=0.519N
POLY 6	P=0.503N	P=0.553N	P=0.517N	P=0.539N
COCH-ARM / FISHERS	P=0.490N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.540N	P=0.360N	P=0.337N	P=0.353N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Salivary Glands				
Necrosis				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	5/43.69	1/40.38	3/42.47	0/40.93
POLY-3 PERCENT (g)	11.5%	2.5%	7.1%	0%
TERMINAL (d)	4/30 (13%)	1/24 (4%)	2/27 (7%)	0/26 (0%)
FIRST INCIDENCE	708	729 (T)	694	---
STATISTICAL TESTS				
POLY 3	P=0.054N	P=0.120N	P=0.371N	P=0.036N*
POLY 1.5	P=0.056N	P=0.110N	P=0.366N	P=0.034N*
POLY 6	P=0.053N	P=0.130N	P=0.375N	P=0.038N*
COCH-ARM / FISHERS	P=0.056N	P=0.102N	P=0.357N	P=0.028N*
MAX-ISO-POLY-3	P=0.018N*	P=0.061N	P=0.246N	P=0.014N*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	3/43.60	4/40.48	3/42.47	4/40.93
POLY-3 PERCENT (g)	6.9%	9.9%	7.1%	9.8%
TERMINAL (d)	3/30 (10%)	3/24 (13%)	2/27 (7%)	4/26 (15%)
FIRST INCIDENCE	729 (T)	703	694	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.459	P=0.459	P=0.651	P=0.465
POLY 1.5	P=0.466	P=0.480	P=0.655	P=0.478
POLY 6	P=0.451	P=0.439	P=0.649	P=0.453
COCH-ARM / FISHERS	P=0.484	P=0.500	P=0.661N	P=0.500
MAX-ISO-POLY-3	P=0.511	P=0.317	P=0.486	P=0.321

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Control Epidermis Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	5/43.64	4/40.38	3/42.34	5/41.07
POLY-3 PERCENT (g)	11.5%	9.9%	7.1%	12.2%
TERMINAL (d)	4/30 (13%)	4/24 (17%)	3/27 (11%)	4/26 (15%)
FIRST INCIDENCE	720	729 (T)	729 (T)	693
STATISTICAL TESTS				
POLY 3	P=0.490	P=0.549N	P=0.373N	P=0.592
POLY 1.5	P=0.493	P=0.524N	P=0.366N	P=0.605
POLY 6	P=0.488	P=0.575N	P=0.377N	P=0.581
COCH-ARM / FISHERS	P=0.507	P=0.500N	P=0.357N	P=0.630N
MAX-ISO-POLY-3	P=0.547	P=0.411N	P=0.247N	P=0.460

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Control				
Hyperkeratosis				
LESION RATES				
OVERALL (a)	6/50 (12%)	5/50 (10%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	6/44.05	5/41.05	0/42.34	3/42.66
POLY-3 PERCENT (g)	13.6%	12.2%	0%	7%
TERMINAL (d)	3/30 (10%)	2/24 (8%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	653	615	---	493
STATISTICAL TESTS				
POLY 3	P=0.198N	P=0.550N	P=0.017N*	P=0.257N
POLY 1.5	P=0.200N	P=0.525N	P=0.016N*	P=0.253N
POLY 6	P=0.196N	P=0.575N	P=0.018N*	P=0.261N
COCH-ARM / FISHERS	P=0.202N	P=0.500N	P=0.013N*	P=0.243N
MAX-ISO-POLY-3	P=0.069N	P=0.423N	P=0.006N**	P=0.162N

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Epidermis Hyperplasia				
LESION RATES				
OVERALL (a)	10/50 (20%)	5/50 (10%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	10/43.69	5/40.98	6/42.47	4/40.93
POLY-3 PERCENT (g)	22.9%	12.2%	14.1%	9.8%
TERMINAL (d)	9/30 (30%)	3/24 (13%)	5/27 (19%)	4/26 (15%)
FIRST INCIDENCE	708	578	694	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.126N	P=0.156N	P=0.220N	P=0.089N
POLY 1.5	P=0.126N	P=0.142N	P=0.215N	P=0.083N
POLY 6	P=0.127N	P=0.170N	P=0.222N	P=0.095N
COCH-ARM / FISHERS	P=0.119N	P=0.131N	P=0.207N	P=0.074N
MAX-ISO-POLY-3	P=0.078N	P=0.104N	P=0.150N	P=0.055N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Epidermis, Site of Application				
Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	5/50 (10%)	39/50 (78%)
POLY-3 RATE (b)	1/43.68	1/40.38	5/42.47	39/47.99
POLY-3 PERCENT (g)	2.3%	2.5%	11.8%	81.3%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	4/27 (15%)	20/26 (77%)
FIRST INCIDENCE	710	729 (T)	694	17
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.743	P=0.094	P<0.001**
POLY 1.5	P<0.001**	P=0.752	P=0.097	P<0.001**
POLY 6	P<0.001**	P=0.733	P=0.092	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.753N	P=0.102	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.477	P=0.042*	P<0.001**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Skin: Site of Application				
Hyperkeratosis				
LESION RATES				
OVERALL (a)	9/50 (18%)	11/50 (22%)	20/50 (40%)	47/50 (94%)
POLY-3 RATE (b)	9/44.53	11/41.20	20/45.93	47/49.03
POLY-3 PERCENT (g)	20.2%	26.7%	43.5%	95.9%
TERMINAL (d)	4/30 (13%)	7/24 (29%)	8/27 (30%)	26/26 (100%)
FIRST INCIDENCE	650	591	453	17
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.324	P=0.013*	P<0.001**
POLY 1.5	P<0.001**	P=0.363	P=0.013*	P<0.001**
POLY 6	P<0.001**	P=0.284	P=0.015*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.402	P=0.013*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.247	P=0.008**	P<0.001**

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Fibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.69	0/40.38	1/42.68	1/41.13
POLY-3 PERCENT (g)	2.3%	0%	2.3%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	708	---	632	677
STATISTICAL TESTS				
POLY 3	P=0.546	P=0.516N	P=0.756	P=0.747
POLY 1.5	P=0.545	P=0.508N	P=0.757	P=0.752
POLY 6	P=0.548	P=0.524N	P=0.755	P=0.743
COCH-ARM / FISHERS	P=0.550	P=0.500N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.536	P=0.178N	P=0.493	P=0.482

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	33/50 (66%)	34/50 (68%)	29/50 (58%)	29/50 (58%)
POLY-3 RATE (b)	33/46.95	34/45.80	29/46.49	29/45.50
POLY-3 PERCENT (g)	70.3%	74.2%	62.4%	63.7%
TERMINAL (d)	21/30 (70%)	19/24 (79%)	18/27 (67%)	16/26 (62%)
FIRST INCIDENCE	426	372	453	306
STATISTICAL TESTS				
POLY 3	P=0.208N	P=0.420	P=0.273N	P=0.322N
POLY 1.5	P=0.205N	P=0.481	P=0.268N	P=0.298N
POLY 6	P=0.211N	P=0.344	P=0.279N	P=0.353N
COCH-ARM / FISHERS	P=0.187N	P=0.500	P=0.268N	P=0.268N
MAX-ISO-POLY-3	P=0.272N	P=0.330	P=0.206N	P=0.249N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/44.03	0/40.38	0/42.34	2/41.62
POLY-3 PERCENT (g)	2.3%	0%	0%	4.8%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	605	---	---	493
STATISTICAL TESTS				
POLY 3	P=0.192	P=0.517N	P=0.508N	P=0.480
POLY 1.5	P=0.191	P=0.509N	P=0.505N	P=0.487
POLY 6	P=0.194	P=0.527N	P=0.511N	P=0.473
COCH-ARM / FISHERS	P=0.191	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.136	P=0.180N	P=0.168N	P=0.269

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.11	1/40.78	0/42.34	1/40.93
POLY-3 PERCENT (g)	4.5%	2.5%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	605	615	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.501N	P=0.527N	P=0.246N	P=0.526N
POLY 1.5	P=0.502N	P=0.514N	P=0.243N	P=0.516N
POLY 6	P=0.501N	P=0.542N	P=0.250N	P=0.537N
COCH-ARM / FISHERS	P=0.500N	P=0.500N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.268N	P=0.310N	P=0.085N	P=0.308N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen Pigmentation				
LESION RATES				
OVERALL (a)	15/50 (30%)	12/50 (24%)	10/50 (20%)	15/50 (30%)
POLY-3 RATE (b)	15/45.35	12/45.21	10/44.74	15/45.28
POLY-3 PERCENT (g)	33.1%	26.5%	22.4%	33.1%
TERMINAL (d)	8/30 (27%)	2/24 (8%)	2/27 (7%)	4/26 (15%)
FIRST INCIDENCE	629	372	455	470
STATISTICAL TESTS				
POLY 3	P=0.407	P=0.326N	P=0.182N	P=0.586
POLY 1.5	P=0.398	P=0.316N	P=0.180N	P=0.582
POLY 6	P=0.426	P=0.339N	P=0.184N	P=0.580N
COCH-ARM / FISHERS	P=0.409	P=0.326N	P=0.178N	P=0.586N
MAX-ISO-POLY-3	P=0.436	P=0.248N	P=0.128N	P=0.497

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	3/42.15
POLY-3 PERCENT (g)	0%	0%	0%	7.1%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	17
STATISTICAL TESTS				
POLY 3	P=0.008**	(e)	(e)	P=0.112
POLY 1.5	P=0.008**	(e)	(e)	P=0.116
POLY 6	P=0.008**	(e)	(e)	P=0.109
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.010**	(e)	(e)	P=0.038*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Spleen: Lymphoid Follicle Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	2/41.86
POLY-3 PERCENT (g)	0%	0%	0%	4.8%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	---	---	306
STATISTICAL TESTS				
POLY 3	P=0.040*	(e)	(e)	P=0.228
POLY 1.5	P=0.041*	(e)	(e)	P=0.232
POLY 6	P=0.040*	(e)	(e)	P=0.224
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.076

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach Edema				
LESION RATES				
OVERALL (a)	3/50 (6%)	5/50 (10%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/44.39	5/41.14	2/42.77	1/41.29
POLY-3 PERCENT (g)	6.8%	12.2%	4.7%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	629	547	632	629
STATISTICAL TESTS				
POLY 3	P=0.143N	P=0.315	P=0.517N	P=0.331N
POLY 1.5	P=0.138N	P=0.336	P=0.510N	P=0.322N
POLY 6	P=0.149N	P=0.293	P=0.523N	P=0.342N
COCH-ARM / FISHERS	P=0.129N	P=0.357	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.166N	P=0.206	P=0.341N	P=0.181N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/44.35	2/40.95	2/42.78	0/40.93
POLY-3 PERCENT (g)	6.8%	4.9%	4.7%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	632	591	632	---
STATISTICAL TESTS				
POLY 3	P=0.105N	P=0.536N	P=0.516N	P=0.133N
POLY 1.5	P=0.103N	P=0.518N	P=0.510N	P=0.128N
POLY 6	P=0.108N	P=0.556N	P=0.523N	P=0.140N
COCH-ARM / FISHERS	P=0.098N	P=0.500N	P=0.500N	P=0.121N
MAX-ISO-POLY-3	P=0.105N	P=0.361N	P=0.341N	P=0.050N*

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	4/50 (8%)	8/50 (16%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	4/44.43	8/42.37	3/42.82	4/42.66
POLY-3 PERCENT (g)	9%	18.9%	7%	9.4%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	629	547	614	493
STATISTICAL TESTS				
POLY 3	P=0.364N	P=0.153	P=0.520N	P=0.621
POLY 1.5	P=0.359N	P=0.165	P=0.512N	P=0.628
POLY 6	P=0.368N	P=0.141	P=0.529N	P=0.616
COCH-ARM / FISHERS	P=0.346N	P=0.178	P=0.500N	P=0.643N
MAX-ISO-POLY-3	P=0.330N	P=0.095	P=0.368N	P=0.475

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	9/50 (18%)	3/50 (6%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	9/45.35	3/41.36	5/43.44	7/42.98
POLY-3 PERCENT (g)	19.9%	7.3%	11.5%	16.3%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	629	591	583	493
STATISTICAL TESTS				
POLY 3	P=0.503	P=0.081N	P=0.216N	P=0.437N
POLY 1.5	P=0.496	P=0.070N	P=0.206N	P=0.421N
POLY 6	P=0.511	P=0.097N	P=0.228N	P=0.455N
COCH-ARM / FISHERS	P=0.500	P=0.061N	P=0.194N	P=0.393N
MAX-ISO-POLY-3	P=0.224N	P=0.050N*	P=0.145N	P=0.336N

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular Edema				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.80	2/40.86	0/42.34	1/41.29
POLY-3 PERCENT (g)	2.3%	4.9%	0%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	677	591	---	629
STATISTICAL TESTS				
POLY 3	P=0.569N	P=0.476	P=0.507N	P=0.748
POLY 1.5	P=0.565N	P=0.488	P=0.504N	P=0.752
POLY 6	P=0.573N	P=0.463	P=0.509N	P=0.744
COCH-ARM / FISHERS	P=0.558N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.396N	P=0.267	P=0.167N	P=0.483

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular Erosion				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	2/43.75	4/42.02	3/42.98	5/42.58
POLY-3 PERCENT (g)	4.6%	9.5%	7%	11.7%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	708	515	614	493
STATISTICAL TESTS				
POLY 3	P=0.217	P=0.318	P=0.492	P=0.204
POLY 1.5	P=0.218	P=0.329	P=0.495	P=0.208
POLY 6	P=0.219	P=0.309	P=0.492	P=0.204
COCH-ARM / FISHERS	P=0.225	P=0.339	P=0.500	P=0.218
MAX-ISO-POLY-3	P=0.185	P=0.190	P=0.318	P=0.114

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.66	1/40.40	1/42.74	1/41.09
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	2.4%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	714	724	614	687
STATISTICAL TESTS				
POLY 3	P=0.656	P=0.743	P=0.756	P=0.747
POLY 1.5	P=0.658	P=0.752	P=0.758	P=0.752
POLY 6	P=0.654	P=0.734	P=0.756	P=0.743
COCH-ARM / FISHERS	P=0.668N	P=0.753N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.730	P=0.478	P=0.493	P=0.482

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

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First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Stomach, Glandular: Glands Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	0/40.38	0/42.34	0/40.93
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/24 (0%)	0/27 (0%)	0/26 (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. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thymus Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/47 (4%)	1/47 (2%)
POLY-3 RATE (b)	0/43.60	0/39.38	2/39.80	1/39.06
POLY-3 PERCENT (g)	0%	0%	5%	2.6%
TERMINAL (d)	0/30 (0%)	0/23 (0%)	2/26 (8%)	0/24 (0%)
FIRST INCIDENCE	---	---	729 (T)	677
STATISTICAL TESTS				
POLY 3	P=0.332	(e)	P=0.217	P=0.478
POLY 1.5	P=0.334	(e)	P=0.219	P=0.482
POLY 6	P=0.330	(e)	P=0.215	P=0.474
COCH-ARM / FISHERS	P=0.340	(e)	P=0.232	P=0.485
MAX-ISO-POLY-3	P=0.173	(e)	P=0.072	P=0.154

TDMS No. 95003 - 05
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 07/06/2010

Time Report Requested: 12:57:38

First Dose M/F: 04/05/04 / 04/05/04

Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland				
Ultimobranchial Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/43.60	0/40.38	3/42.60	1/40.98
POLY-3 PERCENT (g)	2.3%	0%	7%	2.4%
TERMINAL (d)	1/30 (3%)	0/24 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	---	453	716
STATISTICAL TESTS				
POLY 3	P=0.552	P=0.515N	P=0.297	P=0.747
POLY 1.5	P=0.554	P=0.508N	P=0.297	P=0.752
POLY 6	P=0.552	P=0.523N	P=0.297	P=0.743
COCH-ARM / FISHERS	P=0.565	P=0.500N	P=0.301	P=0.753N
MAX-ISO-POLY-3	P=0.280	P=0.177N	P=0.149	P=0.482

TDMS No. 95003 - 05
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Methyl trans-styryl ketone

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	10/50 (20%)	5/49 (10%)	10/50 (20%)
POLY-3 RATE (b)	12/44.03	10/41.30	5/41.96	10/42.29
POLY-3 PERCENT (g)	27.3%	24.2%	11.9%	23.7%
TERMINAL (d)	11/30 (37%)	5/24 (21%)	3/27 (11%)	5/26 (19%)
FIRST INCIDENCE	605	520	614	470
STATISTICAL TESTS				
POLY 3	P=0.462N	P=0.471N	P=0.062N	P=0.445N
POLY 1.5	P=0.464N	P=0.436N	P=0.061N	P=0.432N
POLY 6	P=0.457N	P=0.505N	P=0.061N	P=0.452N
COCH-ARM / FISHERS	P=0.452N	P=0.405N	P=0.059N	P=0.405N
MAX-ISO-POLY-3	P=0.235N	P=0.376N	P=0.038N*	P=0.351N

TDMS No. 95003 - 05
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Thyroid Gland: Follicle Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.60	2/41.01	0/41.36	0/40.93
POLY-3 PERCENT (g)	0%	4.9%	0%	0%
TERMINAL (d)	0/30 (0%)	1/24 (4%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	520	---	---
STATISTICAL TESTS				
POLY 3	P=0.398N	P=0.223	(e)	(e)
POLY 1.5	P=0.390N	P=0.231	(e)	(e)
POLY 6	P=0.406N	P=0.216	(e)	(e)
COCH-ARM / FISHERS	P=0.380N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.267N	P=0.075	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Tongue: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	1/1 (100%)	2/3 (67%)
POLY-3 RATE (b)	0/0.00	0/0.00	1/1.00	2/3.00
POLY-3 PERCENT (g)	0%	0%	100%	66.7%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/1 (0%)
FIRST INCIDENCE	---	---	729 (T)	701
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.748N	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
Uterus				
Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	9/49 (18%)	4/50 (8%)
POLY-3 RATE (b)	5/43.91	4/40.38	9/41.90	4/40.95
POLY-3 PERCENT (g)	11.4%	9.9%	21.5%	9.8%
TERMINAL (d)	4/30 (13%)	4/24 (17%)	6/26 (23%)	3/26 (12%)
FIRST INCIDENCE	644	729 (T)	614	724
STATISTICAL TESTS				
POLY 3	P=0.493N	P=0.553N	P=0.164	P=0.544N
POLY 1.5	P=0.485N	P=0.526N	P=0.171	P=0.528N
POLY 6	P=0.503N	P=0.582N	P=0.159	P=0.561N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.183	P=0.500N
MAX-ISO-POLY-3	P=0.408	P=0.415N	P=0.105	P=0.406N

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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.
 - (e) Value of Statistic cannot be computed.
 - (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.
 - (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
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***