

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

F3_R2

C Number: C99017
Lock Date: 07/24/2006
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 DIETHYLAMINE

MALE RATS

Organ

Adrenal Medulla
Brain

Eye: Cornea

Kidney: Pelvis, Transitional Epithelium
Liver

Lung
Lung: Bronchiole
Nose
Nose: Glands, Respiratory Epithelium
Nose: Goblet Cell
Nose: Olfactory Epithelium

Nose: Respiratory Epithelium

Nose: Turbinate

Pleura
Preputial Gland
Skin
Stomach, Forestomach

Morphology

Hyperplasia
Compression
Gliosis
Hemorrhage
Inflammation
Inflammation Chronic
Vacuolization Cytoplasmic
Hyperplasia
Clear Cell Focus
Hepatodiaphragmatic Nodule
Inflammation
Hyperplasia
Inflammation
Accumulation, Hyaline Droplet
Hyperplasia
Accumulation, Hyaline Droplet
Atrophy
Hyperplasia Basal Cell
Respiratory Metaplasia
Vacuolization Cytoplasmic
Accumulation, Hyaline Droplet
Hyperplasia
Metaplasia
Necrosis
Ulcer
Vacuolization Cytoplasmic
Hyperostosis
Necrosis
Inflammation Chronic
Hyperplasia
Cyst Epithelial Inclusion
Hyperplasia

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF DIETHYLAMINE

Stomach, Glandular
Testes: Interstitial Cell
Thyroid Gland: C-Cell

Erosion
Hyperplasia
Hyperplasia

FEMALE RATS

Organ

Adrenal Cortex
Adrenal Medulla
Kidney: Papilla
Liver

Lung

Lung: Alveolus
Lymph Node, Mediastinal
Nose

Nose: Glands, Respiratory Epithelium

Nose: Goblet Cell
Nose: Olfactory Epithelium

Nose: Respiratory Epithelium

Nose: Turbinate

Pituitary Gland: Pars Distalis

Morphology

Hyperplasia
Hyperplasia
Mineralization
Clear Cell Focus
Hepatodiaphragmatic Nodule
Hemorrhage
Inflammation Chronic
Infiltration Cellular Histiocyte
Pigmentation
Foreign Body
Inflammation
Accumulation, Hyaline Droplet
Hyperplasia
Hyperplasia
Accumulation, Hyaline Droplet
Atrophy
Hyperplasia Basal Cell
Necrosis
Respiratory Metaplasia
Vacuolization Cytoplasmic
Accumulation, Hyaline Droplet
Hyperplasia
Metaplasia
Necrosis
Ulcer
Vacuolization Cytoplasmic
Hyperostosis
Necrosis
Hyperplasia

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF DIETHYLAMINE

Pleura
Skin
Stomach, Forestomach

Inflammation Chronic
Ulcer
Inflammation

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	15/50 (30%)	17/50 (34%)	10/50 (20%)	12/50 (24%)
POLY-3 RATE (b)	15/44.09	17/43.81	10/43.95	12/45.62
POLY-3 PERCENT (g)	34%	38.8%	22.8%	26.3%
TERMINAL (d)	9/28 (32%)	9/21 (43%)	9/25 (36%)	10/36 (28%)
FIRST INCIDENCE	621	512	714	628
STATISTICAL TESTS				
POLY 3	P=0.143N	P=0.402	P=0.172N	P=0.284N
POLY 1.5	P=0.161N	P=0.407	P=0.174N	P=0.307N
POLY 6	P=0.119N	P=0.393	P=0.174N	P=0.253N
COCH-ARM / FISHERS	P=0.179N	P=0.415	P=0.178N	P=0.326N
MAX-ISO-POLY-3	P=0.176N	P=0.319	P=0.118N	P=0.216N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Cortex				
Hyperplasia Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	1/41.57	1/43.89	0/45.16
POLY-3 PERCENT (g)	0%	2.4%	2.3%	0%
TERMINAL (d)	0/28 (0%)	1/21 (5%)	1/25 (4%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.578N	P=0.495	P=0.506	(e)
POLY 1.5	P=0.586N	P=0.497	P=0.503	(e)
POLY 6	P=0.566N	P=0.492	P=0.509	(e)
COCH-ARM / FISHERS	P=0.594N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.407N	P=0.158	P=0.165	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	9/50 (18%)	7/50 (14%)	16/50 (32%)	6/50 (12%)
POLY-3 RATE (b)	9/44.77	7/42.49	16/45.58	6/45.26
POLY-3 PERCENT (g)	20.1%	16.5%	35.1%	13.3%
TERMINAL (d)	2/28 (7%)	2/21 (10%)	7/25 (28%)	5/36 (14%)
FIRST INCIDENCE	505	583	569	702
STATISTICAL TESTS				
POLY 3	P=0.341N	P=0.436N	P=0.084	P=0.278N
POLY 1.5	P=0.363N	P=0.418N	P=0.082	P=0.286N
POLY 6	P=0.304N	P=0.461N	P=0.089	P=0.263N
COCH-ARM / FISHERS	P=0.381N	P=0.393N	P=0.083	P=0.288N
MAX-ISO-POLY-3	P=0.159N	P=0.334N	P=0.054	P=0.193N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	16/50 (32%)	18/50 (36%)	25/50 (50%)	18/49 (37%)
POLY-3 RATE (b)	16/45.25	18/43.61	25/46.05	18/45.94
POLY-3 PERCENT (g)	35.4%	41.3%	54.3%	39.2%
TERMINAL (d)	7/28 (25%)	10/21 (48%)	13/25 (52%)	14/36 (39%)
FIRST INCIDENCE	547	571	596	611
STATISTICAL TESTS				
POLY 3	P=0.387	P=0.359	P=0.049*	P=0.436
POLY 1.5	P=0.350	P=0.383	P=0.049*	P=0.415
POLY 6	P=0.440	P=0.326	P=0.052	P=0.465
COCH-ARM / FISHERS	P=0.306	P=0.417	P=0.052	P=0.388
MAX-ISO-POLY-3	P=0.213	P=0.284	P=0.032*	P=0.353

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Bone Marrow Hyperplasia Reticulum Cell				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.74	0/41.57	1/43.96	0/45.16
POLY-3 PERCENT (g)	4.7%	0%	2.3%	0%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	710	---	712	---
STATISTICAL TESTS				
POLY 3	P=0.179N	P=0.243N	P=0.490N	P=0.225N
POLY 1.5	P=0.184N	P=0.241N	P=0.495N	P=0.231N
POLY 6	P=0.171N	P=0.247N	P=0.484N	P=0.215N
COCH-ARM / FISHERS	P=0.189N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.081N	P=0.275N	P=0.076N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Brain Compression				
LESION RATES				
OVERALL (a)	9/50 (18%)	11/50 (22%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	9/44.18	11/43.69	6/44.14	4/46.09
POLY-3 PERCENT (g)	20.4%	25.2%	13.6%	8.7%
TERMINAL (d)	2/28 (7%)	5/21 (24%)	3/25 (12%)	2/36 (6%)
FIRST INCIDENCE	625	455	687	562
STATISTICAL TESTS				
POLY 3	P=0.035N*	P=0.388	P=0.286N	P=0.098N
POLY 1.5	P=0.040N*	P=0.395	P=0.287N	P=0.107N
POLY 6	P=0.028N*	P=0.371	P=0.288N	P=0.087N
COCH-ARM / FISHERS	P=0.047N*	P=0.402	P=0.288N	P=0.117N
MAX-ISO-POLY-3	P=0.054N	P=0.296	P=0.198N	P=0.059N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Brain				
Gliososis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.18	0/41.57	0/43.89	0/45.16
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	651	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.245N	P=0.233N	P=0.227N
POLY 1.5	P=0.112N	P=0.242N	P=0.235N	P=0.233N
POLY 6	P=0.109N	P=0.251N	P=0.231N	P=0.219N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.084N	P=0.076N	P=0.076N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	8/50 (16%)	5/50 (10%)	0/50 (0%)
POLY-3 RATE (b)	2/43.25	8/44.33	5/45.03	0/45.16
POLY-3 PERCENT (g)	4.6%	18.1%	11.1%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	0/36 (0%)
FIRST INCIDENCE	647	455	475	---
STATISTICAL TESTS				
POLY 3	P=0.073N	P=0.048*	P=0.232	P=0.228N
POLY 1.5	P=0.081N	P=0.047*	P=0.226	P=0.233N
POLY 6	P=0.062N	P=0.048*	P=0.240	P=0.220N
COCH-ARM / FISHERS	P=0.093N	P=0.046*	P=0.218	P=0.247N
MAX-ISO-POLY-3	P=0.042N*	P=0.024*	P=0.135	P=0.076N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Anterior Chamber Inflammation				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.22	0/41.57	1/44.42	2/45.26
POLY-3 PERCENT (g)	0%	0%	2.3%	4.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	---	---	569	703
STATISTICAL TESTS				
POLY 3	P=0.079	(e)	P=0.510	P=0.253
POLY 1.5	P=0.075	(e)	P=0.507	P=0.247
POLY 6	P=0.086	(e)	P=0.514	P=0.263
COCH-ARM / FISHERS	P=0.071	(e)	P=0.505	P=0.253
MAX-ISO-POLY-3	P=0.095	(e)	P=0.170	P=0.090

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Cornea Inflammation				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	0/42.22	0/41.57	1/43.89	5/45.64
POLY-3 PERCENT (g)	0%	0%	2.3%	11%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	2/36 (6%)
FIRST INCIDENCE	---	---	729 (T)	656
STATISTICAL TESTS				
POLY 3	P=0.002**	(e)	P=0.508	P=0.037*
POLY 1.5	P=0.002**	(e)	P=0.506	P=0.035*
POLY 6	P=0.002**	(e)	P=0.510	P=0.043*
COCH-ARM / FISHERS	P=0.002**	(e)	P=0.505	P=0.030*
MAX-ISO-POLY-3	P=0.003**	(e)	P=0.167	P=0.015*

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Cornea				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.22	0/41.57	0/43.89	3/46.09
POLY-3 PERCENT (g)	0%	0%	0%	6.5%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	2/36 (6%)
FIRST INCIDENCE	---	---	---	291
STATISTICAL TESTS				
POLY 3	P=0.012*	(e)	(e)	P=0.135
POLY 1.5	P=0.012*	(e)	(e)	P=0.129
POLY 6	P=0.014*	(e)	(e)	P=0.144
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.125
MAX-ISO-POLY-3	P=0.016*	(e)	(e)	P=0.051

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Cornea				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.22	0/41.57	0/43.89	3/46.47
POLY-3 PERCENT (g)	0%	0%	0%	6.5%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	291
STATISTICAL TESTS				
POLY 3	P=0.013*	(e)	(e)	P=0.137
POLY 1.5	P=0.012*	(e)	(e)	P=0.130
POLY 6	P=0.014*	(e)	(e)	P=0.147
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.125
MAX-ISO-POLY-3	P=0.016*	(e)	(e)	P=0.052

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Lens				
Cataract				
LESION RATES				
OVERALL (a)	1/49 (2%)	3/50 (6%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	1/42.22	3/42.25	1/43.89	5/45.31
POLY-3 PERCENT (g)	2.4%	7.1%	2.3%	11%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	1/25 (4%)	3/36 (8%)
FIRST INCIDENCE	729 (T)	635	729 (T)	703
STATISTICAL TESTS				
POLY 3	P=0.088	P=0.305	P=0.752N	P=0.118
POLY 1.5	P=0.083	P=0.308	P=0.754N	P=0.112
POLY 6	P=0.097	P=0.302	P=0.750N	P=0.129
COCH-ARM / FISHERS	P=0.080	P=0.316	P=0.747N	P=0.107
MAX-ISO-POLY-3	P=0.069	P=0.155	P=0.488N	P=0.059

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Retina Atrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/42.22	3/42.25	1/43.89	3/45.21
POLY-3 PERCENT (g)	2.4%	7.1%	2.3%	6.6%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	1/25 (4%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	635	729 (T)	716
STATISTICAL TESTS				
POLY 3	P=0.341	P=0.305	P=0.752N	P=0.330
POLY 1.5	P=0.330	P=0.308	P=0.754N	P=0.321
POLY 6	P=0.360	P=0.302	P=0.750N	P=0.346
COCH-ARM / FISHERS	P=0.320	P=0.316	P=0.747N	P=0.316
MAX-ISO-POLY-3	P=0.286	P=0.155	P=0.488N	P=0.178

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Sclera				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	11/49 (22%)	9/50 (18%)	13/50 (26%)	6/50 (12%)
POLY-3 RATE (b)	11/43.05	9/42.82	13/45.10	6/45.93
POLY-3 PERCENT (g)	25.6%	21%	28.8%	13.1%
TERMINAL (d)	7/28 (25%)	1/21 (5%)	5/25 (20%)	4/36 (11%)
FIRST INCIDENCE	640	646	624	611
STATISTICAL TESTS				
POLY 3	P=0.109N	P=0.404N	P=0.458	P=0.108N
POLY 1.5	P=0.128N	P=0.396N	P=0.444	P=0.120N
POLY 6	P=0.085N	P=0.412N	P=0.480	P=0.091N
COCH-ARM / FISHERS	P=0.150N	P=0.382N	P=0.430	P=0.133N
MAX-ISO-POLY-3	P=0.127N	P=0.310N	P=0.366	P=0.071N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Harderian Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.66	1/41.57	0/43.89	2/45.16
POLY-3 PERCENT (g)	2.3%	2.4%	0%	4.4%
TERMINAL (d)	1/28 (4%)	1/21 (5%)	0/25 (0%)	2/36 (6%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.383	P=0.755	P=0.494N	P=0.520
POLY 1.5	P=0.375	P=0.757	P=0.497N	P=0.509
POLY 6	P=0.397	P=0.752	P=0.491N	P=0.536
COCH-ARM / FISHERS	P=0.366	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.309	P=0.492	P=0.158N	P=0.302

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	23/50 (46%)	24/50 (48%)	21/50 (42%)	25/50 (50%)
POLY-3 RATE (b)	23/45.90	24/44.59	21/45.45	25/46.42
POLY-3 PERCENT (g)	50.1%	53.8%	46.2%	53.9%
TERMINAL (d)	12/28 (43%)	11/21 (52%)	14/25 (56%)	20/36 (56%)
FIRST INCIDENCE	585	455	453	562
STATISTICAL TESTS				
POLY 3	P=0.449	P=0.442	P=0.434N	P=0.439
POLY 1.5	P=0.429	P=0.469	P=0.424N	P=0.426
POLY 6	P=0.476	P=0.394	P=0.469N	P=0.454
COCH-ARM / FISHERS	P=0.415	P=0.500	P=0.420N	P=0.421
MAX-ISO-POLY-3	P=0.558	P=0.360	P=0.352N	P=0.357

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Heart: Atrium				
Thrombosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/43.33	4/42.63	3/44.44	0/45.16
POLY-3 PERCENT (g)	2.3%	9.4%	6.8%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	505	635	646	---
STATISTICAL TESTS				
POLY 3	P=0.210N	P=0.173	P=0.314	P=0.492N
POLY 1.5	P=0.221N	P=0.175	P=0.310	P=0.496N
POLY 6	P=0.192N	P=0.172	P=0.322	P=0.484N
COCH-ARM / FISHERS	P=0.231N	P=0.181	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.135N	P=0.082	P=0.163	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney				
Nephropathy Chronic				
LESION RATES				
OVERALL (a)	44/50 (88%)	39/50 (78%)	40/50 (80%)	39/50 (78%)
POLY-3 RATE (b)	44/48.21	39/47.89	40/47.70	39/47.57
POLY-3 PERCENT (g)	91.3%	81.4%	83.9%	82%
TERMINAL (d)	25/28 (89%)	19/21 (91%)	24/25 (96%)	30/36 (83%)
FIRST INCIDENCE	547	455	453	562
STATISTICAL TESTS				
POLY 3	P=0.177N	P=0.115N	P=0.196N	P=0.136N
POLY 1.5	P=0.189N	P=0.119N	P=0.193N	P=0.142N
POLY 6	P=0.154N	P=0.140N	P=0.233N	P=0.136N
COCH-ARM / FISHERS	P=0.181N	P=0.143N	P=0.207N	P=0.143N
MAX-ISO-POLY-3	P=0.143N	P=0.064N	P=0.117N	P=0.080N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Cortex Infarct				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/42.66	2/41.88	2/43.93	2/45.57
POLY-3 PERCENT (g)	0%	4.8%	4.6%	4.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	1/36 (3%)
FIRST INCIDENCE	---	674	719	611
STATISTICAL TESTS				
POLY 3	P=0.273	P=0.233	P=0.244	P=0.252
POLY 1.5	P=0.257	P=0.234	P=0.241	P=0.244
POLY 6	P=0.298	P=0.230	P=0.248	P=0.265
COCH-ARM / FISHERS	P=0.242	P=0.247	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.204	P=0.076	P=0.082	P=0.090

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

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Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Papilla Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.04	3/42.09	0/43.89	0/45.16
POLY-3 PERCENT (g)	4.7%	7.1%	0%	0%
TERMINAL (d)	1/28 (4%)	1/21 (5%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	621	600	---	---
STATISTICAL TESTS				
POLY 3	P=0.067N	P=0.490	P=0.233N	P=0.226N
POLY 1.5	P=0.069N	P=0.494	P=0.235N	P=0.232N
POLY 6	P=0.064N	P=0.484	P=0.230N	P=0.218N
COCH-ARM / FISHERS	P=0.072N	P=0.500	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.080N	P=0.316	P=0.076N	P=0.076N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Pelvis, Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/42.66	0/41.57	2/43.91	4/45.26
POLY-3 PERCENT (g)	0%	0%	4.6%	8.8%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	3/36 (8%)
FIRST INCIDENCE	---	---	726	703
STATISTICAL TESTS				
POLY 3	P=0.010**	(e)	P=0.243	P=0.068
POLY 1.5	P=0.009**	(e)	P=0.241	P=0.064
POLY 6	P=0.012*	(e)	P=0.247	P=0.075
COCH-ARM / FISHERS	P=0.009**	(e)	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.015*	(e)	P=0.082	P=0.025*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

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Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Pelvis, Transitional Epithelium Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	1/41.98	1/43.91	0/45.16
POLY-3 PERCENT (g)	0%	2.4%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	611	726	---
STATISTICAL TESTS				
POLY 3	P=0.578N	P=0.497	P=0.506	(e)
POLY 1.5	P=0.586N	P=0.498	P=0.503	(e)
POLY 6	P=0.565N	P=0.495	P=0.509	(e)
COCH-ARM / FISHERS	P=0.594N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.408N	P=0.158	P=0.166	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx				
Foreign Body				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/42.69	3/41.66	3/44.10	2/45.26
POLY-3 PERCENT (g)	4.7%	7.2%	6.8%	4.4%
TERMINAL (d)	1/28 (4%)	2/21 (10%)	2/25 (8%)	1/36 (3%)
FIRST INCIDENCE	723	705	674	703
STATISTICAL TESTS				
POLY 3	P=0.508N	P=0.489	P=0.515	P=0.673N
POLY 1.5	P=0.526N	P=0.493	P=0.508	P=0.684N
POLY 6	P=0.479N	P=0.482	P=0.525	P=0.655N
COCH-ARM / FISHERS	P=0.543N	P=0.500	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.570N	P=0.315	P=0.339	P=0.476N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/42.69	1/41.57	1/43.89	4/46.82
POLY-3 PERCENT (g)	2.3%	2.4%	2.3%	8.5%
TERMINAL (d)	0/28 (0%)	1/21 (5%)	1/25 (4%)	1/36 (3%)
FIRST INCIDENCE	723	729 (T)	729 (T)	291
STATISTICAL TESTS				
POLY 3	P=0.080	P=0.755	P=0.755N	P=0.208
POLY 1.5	P=0.074	P=0.757	P=0.757N	P=0.195
POLY 6	P=0.090	P=0.752	P=0.751N	P=0.227
COCH-ARM / FISHERS	P=0.067	P=0.753N	P=0.753N	P=0.181
MAX-ISO-POLY-3	P=0.116	P=0.492	P=0.491N	P=0.111

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx: Epiglottis Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	1/41.57	0/43.89	0/45.16
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/28 (0%)	1/21 (5%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.565N	P=0.495	(e)	(e)
POLY 1.5	P=0.565N	P=0.497	(e)	(e)
POLY 6	P=0.564N	P=0.492	(e)	(e)
COCH-ARM / FISHERS	P=0.566N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.383N	P=0.158	(e)	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.66	0/41.57	0/43.89	1/45.52
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	628
STATISTICAL TESTS				
POLY 3	P=0.209	(e)	(e)	P=0.513
POLY 1.5	P=0.204	(e)	(e)	P=0.506
POLY 6	P=0.219	(e)	(e)	P=0.524
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.146	(e)	(e)	P=0.174

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	0/41.57	1/43.91	0/45.16
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	726	---
STATISTICAL TESTS				
POLY 3	P=0.719	(e)	P=0.506	(e)
POLY 1.5	P=0.706	(e)	P=0.503	(e)
POLY 6	P=0.739	(e)	P=0.509	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.402	(e)	P=0.166	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	8/50 (16%)	3/50 (6%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	8/42.66	3/42.30	4/43.89	5/45.55
POLY-3 PERCENT (g)	18.8%	7.1%	9.1%	11%
TERMINAL (d)	8/28 (29%)	0/21 (0%)	4/25 (16%)	4/36 (11%)
FIRST INCIDENCE	729 (T)	600	729 (T)	618
STATISTICAL TESTS				
POLY 3	P=0.279N	P=0.098N	P=0.161N	P=0.233N
POLY 1.5	P=0.298N	P=0.100N	P=0.169N	P=0.255N
POLY 6	P=0.250N	P=0.096N	P=0.150N	P=0.200N
COCH-ARM / FISHERS	P=0.317N	P=0.100N	P=0.178N	P=0.277N
MAX-ISO-POLY-3	P=0.130N	P=0.053N	P=0.099N	P=0.159N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	12/50 (24%)	9/50 (18%)	4/50 (8%)	10/50 (20%)
POLY-3 RATE (b)	12/42.82	9/43.48	4/43.89	10/45.16
POLY-3 PERCENT (g)	28%	20.7%	9.1%	22.2%
TERMINAL (d)	10/28 (36%)	3/21 (14%)	4/25 (16%)	10/36 (28%)
FIRST INCIDENCE	695	478	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.303N	P=0.292N	P=0.020N*	P=0.348N
POLY 1.5	P=0.323N	P=0.302N	P=0.023N*	P=0.378N
POLY 6	P=0.273N	P=0.281N	P=0.017N*	P=0.302N
COCH-ARM / FISHERS	P=0.341N	P=0.312N	P=0.027N*	P=0.405N
MAX-ISO-POLY-3	P=0.121N	P=0.214N	P=0.011N*	P=0.267N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
<hr/>				
Liver Hemorrhage				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	0/41.57	0/43.89	0/45.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	4/43.61	2/41.57	4/44.29	0/45.16
POLY-3 PERCENT (g)	9.2%	4.8%	9%	0%
TERMINAL (d)	1/28 (4%)	2/21 (10%)	2/25 (8%)	0/36 (0%)
FIRST INCIDENCE	562	729 (T)	653	---
STATISTICAL TESTS				
POLY 3	P=0.065N	P=0.359N	P=0.635N	P=0.056N
POLY 1.5	P=0.071N	P=0.350N	P=0.639N	P=0.058N
POLY 6	P=0.056N	P=0.373N	P=0.630N	P=0.052N
COCH-ARM / FISHERS	P=0.077N	P=0.339N	P=0.643N	P=0.059N
MAX-ISO-POLY-3	P=0.049N*	P=0.223N	P=0.490N	P=0.019N*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.99	2/42.12	1/43.89	0/45.16
POLY-3 PERCENT (g)	2.3%	4.8%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	0/36 (0%)
FIRST INCIDENCE	640	635	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.234N	P=0.493	P=0.756N	P=0.490N
POLY 1.5	P=0.241N	P=0.496	P=0.758N	P=0.495N
POLY 6	P=0.224N	P=0.489	P=0.754N	P=0.482N
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.225N	P=0.276	P=0.493N	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	5/43.37	4/42.71	5/44.23	2/45.37
POLY-3 PERCENT (g)	11.5%	9.4%	11.3%	4.4%
TERMINAL (d)	2/28 (7%)	1/21 (5%)	3/25 (12%)	0/36 (0%)
FIRST INCIDENCE	625	512	652	702
STATISTICAL TESTS				
POLY 3	P=0.165N	P=0.510N	P=0.619N	P=0.198N
POLY 1.5	P=0.178N	P=0.506N	P=0.624N	P=0.208N
POLY 6	P=0.146N	P=0.517N	P=0.612N	P=0.182N
COCH-ARM / FISHERS	P=0.189N	P=0.500N	P=0.630N	P=0.218N
MAX-ISO-POLY-3	P=0.203N	P=0.372N	P=0.486N	P=0.111N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	5/50 (10%)	3/50 (6%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	5/43.49	3/41.98	4/44.22	5/45.70
POLY-3 PERCENT (g)	11.5%	7.2%	9.1%	10.9%
TERMINAL (d)	3/28 (11%)	0/21 (0%)	2/25 (8%)	4/36 (11%)
FIRST INCIDENCE	562	674	653	562
STATISTICAL TESTS				
POLY 3	P=0.525	P=0.375N	P=0.490N	P=0.599N
POLY 1.5	P=0.504	P=0.368N	P=0.495N	P=0.615N
POLY 6	P=0.558	P=0.386N	P=0.482N	P=0.573N
COCH-ARM / FISHERS	P=0.482	P=0.357N	P=0.500N	P=0.630N
MAX-ISO-POLY-3	P=0.558N	P=0.250N	P=0.353N	P=0.467N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.66	4/41.96	0/43.89	2/45.74
POLY-3 PERCENT (g)	0%	9.5%	0%	4.4%
TERMINAL (d)	0/28 (0%)	2/21 (10%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	635	---	628
STATISTICAL TESTS				
POLY 3	P=0.475	P=0.058	(e)	P=0.253
POLY 1.5	P=0.460	P=0.059	(e)	P=0.245
POLY 6	P=0.499	P=0.056	(e)	P=0.267
COCH-ARM / FISHERS	P=0.447	P=0.059	(e)	P=0.247
MAX-ISO-POLY-3	P=0.199	P=0.019*	(e)	P=0.091

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	8/50 (16%)	8/50 (16%)	8/50 (16%)	10/50 (20%)
POLY-3 RATE (b)	8/43.24	8/43.03	8/44.86	10/45.65
POLY-3 PERCENT (g)	18.5%	18.6%	17.8%	21.9%
TERMINAL (d)	6/28 (21%)	2/21 (10%)	3/25 (12%)	8/36 (22%)
FIRST INCIDENCE	646	583	569	618
STATISTICAL TESTS				
POLY 3	P=0.380	P=0.605	P=0.577N	P=0.446
POLY 1.5	P=0.354	P=0.604	P=0.591N	P=0.421
POLY 6	P=0.424	P=0.606	P=0.559N	P=0.488
COCH-ARM / FISHERS	P=0.328	P=0.607N	P=0.607N	P=0.398
MAX-ISO-POLY-3	P=0.534	P=0.495	P=0.467N	P=0.348

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.66	1/41.57	0/43.89	2/45.16
POLY-3 PERCENT (g)	0%	2.4%	0%	4.4%
TERMINAL (d)	0/28 (0%)	1/21 (5%)	0/25 (0%)	2/36 (6%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.149	P=0.495	(e)	P=0.250
POLY 1.5	P=0.144	P=0.497	(e)	P=0.243
POLY 6	P=0.157	P=0.492	(e)	P=0.261
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.093	P=0.158	(e)	P=0.088

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	6/50 (12%)	7/50 (14%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	6/42.95	7/42.74	6/44.28	5/45.37
POLY-3 PERCENT (g)	14%	16.4%	13.6%	11%
TERMINAL (d)	5/28 (18%)	3/21 (14%)	4/25 (16%)	3/36 (8%)
FIRST INCIDENCE	651	478	656	702
STATISTICAL TESTS				
POLY 3	P=0.338N	P=0.496	P=0.600N	P=0.462N
POLY 1.5	P=0.362N	P=0.497	P=0.609N	P=0.482N
POLY 6	P=0.300N	P=0.493	P=0.586N	P=0.429N
COCH-ARM / FISHERS	P=0.384N	P=0.500	P=0.620N	P=0.500N
MAX-ISO-POLY-3	P=0.466N	P=0.377	P=0.476N	P=0.341N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	15/50 (30%)	12/50 (24%)	19/50 (38%)	20/50 (40%)
POLY-3 RATE (b)	15/43.88	12/43.78	19/45.72	20/46.01
POLY-3 PERCENT (g)	34.2%	27.4%	41.6%	43.5%
TERMINAL (d)	10/28 (36%)	4/21 (19%)	10/25 (40%)	16/36 (44%)
FIRST INCIDENCE	505	583	596	618
STATISTICAL TESTS				
POLY 3	P=0.110	P=0.323N	P=0.306	P=0.243
POLY 1.5	P=0.094	P=0.328N	P=0.284	P=0.218
POLY 6	P=0.142	P=0.312N	P=0.346	P=0.294
COCH-ARM / FISHERS	P=0.085	P=0.326N	P=0.263	P=0.201
MAX-ISO-POLY-3	P=0.171	P=0.245N	P=0.238	P=0.186

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Alveolus Proteinosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.66	0/41.57	2/43.89	1/45.26
POLY-3 PERCENT (g)	2.3%	0%	4.6%	2.2%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	2/25 (8%)	0/36 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	703
STATISTICAL TESTS				
POLY 3	P=0.531	P=0.505N	P=0.510	P=0.747N
POLY 1.5	P=0.515	P=0.503N	P=0.505	P=0.754N
POLY 6	P=0.558	P=0.508N	P=0.516	P=0.736N
COCH-ARM / FISHERS	P=0.499	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.410	P=0.165N	P=0.291	P=0.483N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Artery Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	2/42.12	0/43.89	0/45.16
POLY-3 PERCENT (g)	0%	4.8%	0%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	635	---	---
STATISTICAL TESTS				
POLY 3	P=0.394N	P=0.234	(e)	(e)
POLY 1.5	P=0.398N	P=0.235	(e)	(e)
POLY 6	P=0.386N	P=0.233	(e)	(e)
COCH-ARM / FISHERS	P=0.403N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.248N	P=0.076	(e)	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.66	0/41.57	0/43.89	2/45.16
POLY-3 PERCENT (g)	0%	0%	0%	4.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	2/36 (6%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.049*	(e)	(e)	P=0.250
POLY 1.5	P=0.047*	(e)	(e)	P=0.243
POLY 6	P=0.052	(e)	(e)	P=0.261
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.043*	(e)	(e)	P=0.088

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Interstitium Fibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/42.66	0/41.57	0/43.89	3/45.80
POLY-3 PERCENT (g)	2.3%	0%	0%	6.6%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	729 (T)	---	---	634
STATISTICAL TESTS				
POLY 3	P=0.092	P=0.505N	P=0.494N	P=0.331
POLY 1.5	P=0.088	P=0.503N	P=0.497N	P=0.318
POLY 6	P=0.098	P=0.508N	P=0.491N	P=0.353
COCH-ARM / FISHERS	P=0.086	P=0.500N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.059	P=0.165N	P=0.158N	P=0.180

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lymph Node, Mediastinal Pigmentation				
LESION RATES				
OVERALL (a)	0/30 (0%)	0/24 (0%)	0/35 (0%)	0/29 (0%)
POLY-3 RATE (b)	0/25.32	0/20.22	0/30.33	0/26.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/16 (0%)	0/13 (0%)	0/15 (0%)	0/22 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Mammary Gland				
Galactocele				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	1/42.66	1/41.57	3/43.91	2/44.53
POLY-3 PERCENT (g)	2.3%	2.4%	6.8%	4.5%
TERMINAL (d)	1/28 (4%)	1/21 (5%)	2/25 (8%)	1/36 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	724	703
STATISTICAL TESTS				
POLY 3	P=0.354	P=0.755	P=0.315	P=0.515
POLY 1.5	P=0.335	P=0.757	P=0.311	P=0.503
POLY 6	P=0.387	P=0.752	P=0.322	P=0.534
COCH-ARM / FISHERS	P=0.316	P=0.753N	P=0.309	P=0.492
MAX-ISO-POLY-3	P=0.360	P=0.492	P=0.164	P=0.298

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Mesentery				
Necrosis				
LESION RATES				
OVERALL (a)	9/10 (90%)	12/13 (92%)	13/16 (81%)	10/10 (100%)
POLY-3 RATE (b)	9/9.68	12/12.68	13/15.53	10/10.00
POLY-3 PERCENT (g)	93%	94.7%	83.7%	100%
TERMINAL (d)	5/5 (100%)	6/6 (100%)	8/8 (100%)	6/6 (100%)
FIRST INCIDENCE	605	674	612	628
STATISTICAL TESTS				
POLY 3	P=0.486	P=0.796	P=0.474N	P=0.670
POLY 1.5	P=0.446	P=0.746	P=0.478N	P=0.579
POLY 6	P=0.568	P=0.899	P=0.475N	P=0.861
COCH-ARM / FISHERS	P=0.407	P=0.692	P=0.496N	P=0.500
MAX-ISO-POLY-3	P=0.295	P=0.427	P=0.260N	P=0.163

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	6/49 (12%)	3/50 (6%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	6/42.80	3/41.95	4/44.14	2/45.21
POLY-3 PERCENT (g)	14%	7.2%	9.1%	4.4%
TERMINAL (d)	3/28 (11%)	1/21 (5%)	3/25 (12%)	1/36 (3%)
FIRST INCIDENCE	640	646	665	716
STATISTICAL TESTS				
POLY 3	P=0.107N	P=0.250N	P=0.349N	P=0.115N
POLY 1.5	P=0.115N	P=0.243N	P=0.353N	P=0.122N
POLY 6	P=0.094N	P=0.262N	P=0.345N	P=0.105N
COCH-ARM / FISHERS	P=0.123N	P=0.233N	P=0.357N	P=0.128N
MAX-ISO-POLY-3	P=0.089N	P=0.156N	P=0.238N	P=0.062N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose Inflammation				
LESION RATES				
OVERALL (a)	5/49 (10%)	5/50 (10%)	10/50 (20%)	29/50 (58%)
POLY-3 RATE (b)	5/42.47	5/42.27	10/45.53	29/47.75
POLY-3 PERCENT (g)	11.8%	11.8%	22%	60.7%
TERMINAL (d)	4/28 (14%)	2/21 (10%)	5/25 (20%)	19/36 (53%)
FIRST INCIDENCE	660	640	475	562
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.628	P=0.161	P<0.001**
POLY 1.5	P<0.001**	P=0.628N	P=0.151	P<0.001**
POLY 6	P<0.001**	P=0.622	P=0.175	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.617N	P=0.140	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.496	P=0.107	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Glands, Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	6/49 (12%)	45/50 (90%)	42/50 (84%)	45/50 (90%)
POLY-3 RATE (b)	6/43.59	45/48.99	42/47.47	45/49.06
POLY-3 PERCENT (g)	13.8%	91.9%	88.5%	91.7%
TERMINAL (d)	3/28 (11%)	18/21 (86%)	25/25 (100%)	32/36 (89%)
FIRST INCIDENCE	547	455	453	527
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Glands, Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	44/49 (90%)	46/50 (92%)	46/50 (92%)	48/50 (96%)
POLY-3 RATE (b)	44/48.55	46/48.71	46/48.61	48/50.00
POLY-3 PERCENT (g)	90.6%	94.4%	94.6%	96%
TERMINAL (d)	25/28 (89%)	21/21 (100%)	25/25 (100%)	34/36 (94%)
FIRST INCIDENCE	505	455	453	291
STATISTICAL TESTS				
POLY 3	P=0.192	P=0.364	P=0.347	P=0.249
POLY 1.5	P=0.176	P=0.413	P=0.405	P=0.229
POLY 6	P=0.227	P=0.307	P=0.276	P=0.285
COCH-ARM / FISHERS	P=0.164	P=0.487	P=0.487	P=0.210
MAX-ISO-POLY-3	P=0.187	P=0.225	P=0.211	P=0.139

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	13/50 (26%)
POLY-3 RATE (b)	0/42.22	0/41.57	2/43.89	13/46.93
POLY-3 PERCENT (g)	0%	0%	4.6%	27.7%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	2/25 (8%)	9/36 (25%)
FIRST INCIDENCE	---	---	729 (T)	291
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.246	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.244	P<0.001**
POLY 6	P<0.001**	(e)	P=0.248	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.253	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.083	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Nasolacrimal Duct Inflammation				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.22	0/41.57	1/43.91	0/45.16
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	726	---
STATISTICAL TESTS				
POLY 3	P=0.718	(e)	P=0.508	(e)
POLY 1.5	P=0.706	(e)	P=0.506	(e)
POLY 6	P=0.737	(e)	P=0.510	(e)
COCH-ARM / FISHERS	P=0.696	(e)	P=0.505	(e)
MAX-ISO-POLY-3	P=0.403	(e)	P=0.167	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	8/49 (16%)	49/50 (98%)	49/50 (98%)	42/50 (84%)
POLY-3 RATE (b)	8/43.16	49/49.94	49/50.00	42/48.55
POLY-3 PERCENT (g)	18.5%	98.1%	98%	86.5%
TERMINAL (d)	4/28 (14%)	21/21 (100%)	24/25 (96%)	31/36 (86%)
FIRST INCIDENCE	625	455	453	527
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	2/49 (4%)	49/50 (98%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	2/42.47	49/49.92	50/50.00	50/50.00
POLY-3 PERCENT (g)	4.7%	98.2%	100%	100%
TERMINAL (d)	1/28 (4%)	21/21 (100%)	25/25 (100%)	36/36 (100%)
FIRST INCIDENCE	660	455	453	291
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Hyperplasia Basal Cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	22/50 (44%)	50/50 (100%)
POLY-3 RATE (b)	0/42.22	0/41.57	22/45.12	50/50.00
POLY-3 PERCENT (g)	0%	0%	48.8%	100%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	13/25 (52%)	36/36 (100%)
FIRST INCIDENCE	---	---	646	291
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.22	2/42.37	0/43.89	1/45.16
POLY-3 PERCENT (g)	0%	4.7%	0%	2.2%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	---	473	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.560	P=0.238	(e)	P=0.513
POLY 1.5	P=0.552	P=0.239	(e)	P=0.508
POLY 6	P=0.573	P=0.234	(e)	P=0.522
COCH-ARM / FISHERS	P=0.545	P=0.253	(e)	P=0.505
MAX-ISO-POLY-3	P=0.343	P=0.077	(e)	P=0.174

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium				
Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.22	1/41.64	0/43.89	2/46.71
POLY-3 PERCENT (g)	0%	2.4%	0%	4.3%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	710	---	291
STATISTICAL TESTS				
POLY 3	P=0.155	P=0.497	(e)	P=0.260
POLY 1.5	P=0.149	P=0.500	(e)	P=0.252
POLY 6	P=0.164	P=0.493	(e)	P=0.272
COCH-ARM / FISHERS	P=0.142	P=0.505	(e)	P=0.253
MAX-ISO-POLY-3	P=0.105	P=0.160	(e)	P=0.097

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium				
Respiratory Metaplasia				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/50 (4%)	2/50 (4%)	37/50 (74%)
POLY-3 RATE (b)	2/42.47	2/41.57	2/43.89	37/47.59
POLY-3 PERCENT (g)	4.7%	4.8%	4.6%	77.8%
TERMINAL (d)	1/28 (4%)	2/21 (10%)	2/25 (8%)	29/36 (81%)
FIRST INCIDENCE	660	729 (T)	729 (T)	291
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.687	P=0.682N	P<0.001**
POLY 1.5	P<0.001**	P=0.693	P=0.684N	P<0.001**
POLY 6	P<0.001**	P=0.677	P=0.680N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.684N	P=0.684N	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.490	P=0.486N	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	8/50 (16%)	1/50 (2%)
POLY-3 RATE (b)	0/42.22	2/42.01	8/45.66	1/46.09
POLY-3 PERCENT (g)	0%	4.8%	17.5%	2.2%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	635	612	291
STATISTICAL TESTS				
POLY 3	P=0.431	P=0.236	P=0.005**	P=0.518
POLY 1.5	P=0.399	P=0.238	P=0.005**	P=0.511
POLY 6	P=0.481	P=0.233	P=0.006**	P=0.526
COCH-ARM / FISHERS	P=0.364	P=0.253	P=0.003**	P=0.505
MAX-ISO-POLY-3	P=0.045*	P=0.077	P=0.002**	P=0.179

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/49 (0%)	29/50 (58%)	42/50 (84%)	11/50 (22%)
POLY-3 RATE (b)	0/42.22	29/46.03	42/49.24	11/45.96
POLY-3 PERCENT (g)	0%	63%	85.3%	23.9%
TERMINAL (d)	0/28 (0%)	15/21 (71%)	21/25 (84%)	9/36 (25%)
FIRST INCIDENCE	---	478	453	611
STATISTICAL TESTS				
POLY 3	P=0.160	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.102	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.301	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.127	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	5/49 (10%)	34/50 (68%)	35/50 (70%)	47/50 (94%)
POLY-3 RATE (b)	5/42.24	34/45.21	35/46.65	47/49.25
POLY-3 PERCENT (g)	11.8%	75.2%	75%	95.4%
TERMINAL (d)	4/28 (14%)	20/21 (95%)	21/25 (84%)	35/36 (97%)
FIRST INCIDENCE	723	473	453	291
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	6/50 (12%)	26/50 (52%)
POLY-3 RATE (b)	0/42.22	2/41.79	6/44.92	26/47.56
POLY-3 PERCENT (g)	0%	4.8%	13.4%	54.7%
TERMINAL (d)	0/28 (0%)	1/21 (5%)	3/25 (12%)	17/36 (47%)
FIRST INCIDENCE	---	670	475	527
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.235	P=0.018*	P<0.001**
POLY 1.5	P<0.001**	P=0.237	P=0.018*	P<0.001**
POLY 6	P<0.001**	P=0.231	P=0.020*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.253	P=0.014*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.077	P=0.007**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/42.22	0/41.57	1/44.01	4/46.32
POLY-3 PERCENT (g)	0%	0%	2.3%	8.6%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	2/36 (6%)
FIRST INCIDENCE	---	---	699	291
STATISTICAL TESTS				
POLY 3	P=0.007**	(e)	P=0.508	P=0.073
POLY 1.5	P=0.006**	(e)	P=0.506	P=0.068
POLY 6	P=0.008**	(e)	P=0.511	P=0.080
COCH-ARM / FISHERS	P=0.006**	(e)	P=0.505	P=0.061
MAX-ISO-POLY-3	P=0.010**	(e)	P=0.168	P=0.029*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Ulcer				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	22/50 (44%)
POLY-3 RATE (b)	0/42.22	0/41.57	2/44.90	22/48.09
POLY-3 PERCENT (g)	0%	0%	4.5%	45.8%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	12/36 (33%)
FIRST INCIDENCE	---	---	475	527
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.251	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.247	P<0.001**
POLY 6	P<0.001**	(e)	P=0.256	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.253	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.088	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/49 (0%)	5/50 (10%)	8/50 (16%)	3/50 (6%)
POLY-3 RATE (b)	0/42.22	5/43.13	8/45.66	3/46.47
POLY-3 PERCENT (g)	0%	11.6%	17.5%	6.5%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	512	612	291
STATISTICAL TESTS				
POLY 3	P=0.311	P=0.032*	P=0.005**	P=0.137
POLY 1.5	P=0.280	P=0.032*	P=0.005**	P=0.130
POLY 6	P=0.360	P=0.032*	P=0.006**	P=0.147
COCH-ARM / FISHERS	P=0.249	P=0.030*	P=0.003**	P=0.125
MAX-ISO-POLY-3	P=0.043*	P=0.010**	P=0.002**	P=0.052

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Turbinate Hyperostosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.22	0/41.57	0/43.89	3/45.78
POLY-3 PERCENT (g)	0%	0%	0%	6.6%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	2/36 (6%)
FIRST INCIDENCE	---	---	---	527
STATISTICAL TESTS				
POLY 3	P=0.012*	(e)	(e)	P=0.134
POLY 1.5	P=0.012*	(e)	(e)	P=0.128
POLY 6	P=0.013*	(e)	(e)	P=0.143
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.125
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	P=0.050*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Turbinate Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	19/50 (38%)
POLY-3 RATE (b)	0/42.22	0/41.57	1/43.89	19/47.03
POLY-3 PERCENT (g)	0%	0%	2.3%	40.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	12/36 (33%)
FIRST INCIDENCE	---	---	729 (T)	527
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.508	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.506	P<0.001**
POLY 6	P<0.001**	(e)	P=0.510	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.505	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.167	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	24/49 (49%)	22/50 (44%)	29/50 (58%)	31/50 (62%)
POLY-3 RATE (b)	24/44.88	22/45.02	29/45.67	31/46.47
POLY-3 PERCENT (g)	53.5%	48.9%	63.5%	66.7%
TERMINAL (d)	15/28 (54%)	10/21 (48%)	17/25 (68%)	26/36 (72%)
FIRST INCIDENCE	585	473	612	562
STATISTICAL TESTS				
POLY 3	P=0.053	P=0.409N	P=0.218	P=0.133
POLY 1.5	P=0.051	P=0.397N	P=0.227	P=0.129
POLY 6	P=0.060	P=0.432N	P=0.206	P=0.143
COCH-ARM / FISHERS	P=0.055	P=0.384N	P=0.243	P=0.135
MAX-ISO-POLY-3	P=0.082	P=0.328N	P=0.160	P=0.094

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/48 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.93	0/39.64	0/43.89	1/45.16
POLY-3 PERCENT (g)	4.7%	0%	0%	2.2%
TERMINAL (d)	1/28 (4%)	0/20 (0%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	656	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.450N	P=0.255N	P=0.232N	P=0.482N
POLY 1.5	P=0.454N	P=0.251N	P=0.235N	P=0.492N
POLY 6	P=0.445N	P=0.261N	P=0.229N	P=0.468N
COCH-ARM / FISHERS	P=0.458N	P=0.258N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.136N	P=0.091N	P=0.076N	P=0.271N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pituitary Gland Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/48 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.15	1/40.40	1/44.17	0/45.16
POLY-3 PERCENT (g)	2.3%	2.5%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/20 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	585	455	656	---
STATISTICAL TESTS				
POLY 3	P=0.298N	P=0.746	P=0.756N	P=0.491N
POLY 1.5	P=0.304N	P=0.749	P=0.758N	P=0.496N
POLY 6	P=0.288N	P=0.742	P=0.752N	P=0.483N
COCH-ARM / FISHERS	P=0.309N	P=0.742	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.324N	P=0.481	P=0.493N	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	7/50 (14%)	9/48 (19%)	9/50 (18%)	7/50 (14%)
POLY-3 RATE (b)	7/43.87	9/41.25	9/45.52	7/46.34
POLY-3 PERCENT (g)	16%	21.8%	19.8%	15.1%
TERMINAL (d)	5/28 (18%)	3/20 (15%)	4/25 (16%)	3/36 (8%)
FIRST INCIDENCE	505	478	475	611
STATISTICAL TESTS				
POLY 3	P=0.423N	P=0.339	P=0.423	P=0.571N
POLY 1.5	P=0.457N	P=0.346	P=0.409	P=0.594N
POLY 6	P=0.366N	P=0.332	P=0.445	P=0.529N
COCH-ARM / FISHERS	P=0.487N	P=0.359	P=0.393	P=0.613N
MAX-ISO-POLY-3	P=0.500N	P=0.249	P=0.322	P=0.456N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pleura				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	9/50 (18%)
POLY-3 RATE (b)	3/42.69	4/42.34	3/44.43	9/45.55
POLY-3 PERCENT (g)	7%	9.5%	6.8%	19.8%
TERMINAL (d)	2/28 (7%)	2/21 (10%)	1/25 (4%)	8/36 (22%)
FIRST INCIDENCE	723	583	569	618
STATISTICAL TESTS				
POLY 3	P=0.033*	P=0.496	P=0.644N	P=0.074
POLY 1.5	P=0.030*	P=0.497	P=0.652N	P=0.066
POLY 6	P=0.040*	P=0.494	P=0.633N	P=0.088
COCH-ARM / FISHERS	P=0.028*	P=0.500	P=0.661N	P=0.061
MAX-ISO-POLY-3	P=0.046*	P=0.343	P=0.479N	P=0.044*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Preputial Gland Cyst				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.67	0/41.57	0/43.89	2/45.26
POLY-3 PERCENT (g)	4.6%	0%	0%	4.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	547	---	---	703
STATISTICAL TESTS				
POLY 3	P=0.515	P=0.248N	P=0.236N	P=0.681N
POLY 1.5	P=0.507	P=0.244N	P=0.237N	P=0.688N
POLY 6	P=0.528	P=0.255N	P=0.235N	P=0.668N
COCH-ARM / FISHERS	P=0.499	P=0.247N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.274N	P=0.086N	P=0.076N	P=0.485N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Preputial Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.66	3/41.69	1/43.89	1/45.43
POLY-3 PERCENT (g)	0%	7.2%	2.3%	2.2%
TERMINAL (d)	0/28 (0%)	2/21 (10%)	1/25 (4%)	0/36 (0%)
FIRST INCIDENCE	---	698	729 (T)	656
STATISTICAL TESTS				
POLY 3	P=0.622	P=0.114	P=0.506	P=0.513
POLY 1.5	P=0.607	P=0.116	P=0.503	P=0.506
POLY 6	P=0.608N	P=0.111	P=0.509	P=0.523
COCH-ARM / FISHERS	P=0.592	P=0.121	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.238	P=0.038*	P=0.165	P=0.174

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Prostate Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/42.66	0/41.57	1/43.89	4/46.09
POLY-3 PERCENT (g)	4.7%	0%	2.3%	8.7%
TERMINAL (d)	2/28 (7%)	0/21 (0%)	1/25 (4%)	3/36 (8%)
FIRST INCIDENCE	729 (T)	---	729 (T)	291
STATISTICAL TESTS				
POLY 3	P=0.122	P=0.243N	P=0.490N	P=0.373
POLY 1.5	P=0.115	P=0.241N	P=0.495N	P=0.357
POLY 6	P=0.133	P=0.246N	P=0.484N	P=0.397
COCH-ARM / FISHERS	P=0.108	P=0.247N	P=0.500N	P=0.339
MAX-ISO-POLY-3	P=0.108	P=0.081N	P=0.274N	P=0.237

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Prostate Inflammation				
LESION RATES				
OVERALL (a)	29/50 (58%)	28/50 (56%)	29/50 (58%)	26/50 (52%)
POLY-3 RATE (b)	29/45.71	28/45.55	29/46.80	26/46.57
POLY-3 PERCENT (g)	63.5%	61.5%	62%	55.8%
TERMINAL (d)	19/28 (68%)	13/21 (62%)	14/25 (56%)	21/36 (58%)
FIRST INCIDENCE	557	455	453	562
STATISTICAL TESTS				
POLY 3	P=0.251N	P=0.509N	P=0.528N	P=0.292N
POLY 1.5	P=0.286N	P=0.505N	P=0.551N	P=0.322N
POLY 6	P=0.201N	P=0.519N	P=0.497N	P=0.250N
COCH-ARM / FISHERS	P=0.315N	P=0.500N	P=0.580N	P=0.344N
MAX-ISO-POLY-3	P=0.361N	P=0.418N	P=0.439N	P=0.225N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Seminal Vesicle Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.66	0/41.57	1/43.89	2/45.26
POLY-3 PERCENT (g)	0%	0%	2.3%	4.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	1/36 (3%)
FIRST INCIDENCE	---	---	729 (T)	703
STATISTICAL TESTS				
POLY 3	P=0.078	(e)	P=0.506	P=0.250
POLY 1.5	P=0.074	(e)	P=0.503	P=0.244
POLY 6	P=0.086	(e)	P=0.509	P=0.262
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.094	(e)	P=0.165	P=0.089

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

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Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	0/50 (0%)	5/50 (10%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/42.66	5/42.08	3/44.27	1/45.16
POLY-3 PERCENT (g)	0%	11.9%	6.8%	2.2%
TERMINAL (d)	0/28 (0%)	3/21 (14%)	1/25 (4%)	1/36 (3%)
FIRST INCIDENCE	---	646	674	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.484N	P=0.029*	P=0.125	P=0.511
POLY 1.5	P=0.503N	P=0.030*	P=0.122	P=0.505
POLY 6	P=0.453N	P=0.028*	P=0.130	P=0.521
COCH-ARM / FISHERS	P=0.521N	P=0.028*	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.121	P=0.009**	P=0.043*	P=0.173

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.66	2/42.09	1/44.10	1/45.43
POLY-3 PERCENT (g)	0%	4.8%	2.3%	2.2%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	600	674	656
STATISTICAL TESTS				
POLY 3	P=0.530	P=0.234	P=0.507	P=0.513
POLY 1.5	P=0.515	P=0.235	P=0.503	P=0.506
POLY 6	P=0.555	P=0.232	P=0.511	P=0.523
COCH-ARM / FISHERS	P=0.501	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.287	P=0.076	P=0.167	P=0.174

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/42.74	1/41.91	3/45.03	1/45.52
POLY-3 PERCENT (g)	2.3%	2.4%	6.7%	2.2%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	710	635	569	628
STATISTICAL TESTS				
POLY 3	P=0.595	P=0.757	P=0.324	P=0.747N
POLY 1.5	P=0.575	P=0.758	P=0.315	P=0.754N
POLY 6	P=0.605N	P=0.754	P=0.336	P=0.735N
COCH-ARM / FISHERS	P=0.555	P=0.753N	P=0.309	P=0.753N
MAX-ISO-POLY-3	P=0.482	P=0.494	P=0.173	P=0.482N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Spleen Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/43.24	2/42.01	2/44.36	0/45.16
POLY-3 PERCENT (g)	4.6%	4.8%	4.5%	0%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	547	663	653	---
STATISTICAL TESTS				
POLY 3	P=0.150N	P=0.684	P=0.685N	P=0.227N
POLY 1.5	P=0.158N	P=0.687	P=0.689N	P=0.233N
POLY 6	P=0.140N	P=0.680	P=0.678N	P=0.219N
COCH-ARM / FISHERS	P=0.163N	P=0.691N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.187N	P=0.488	P=0.489N	P=0.076N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Spleen Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/43.23	3/41.85	2/44.83	3/45.67
POLY-3 PERCENT (g)	2.3%	7.2%	4.5%	6.6%
TERMINAL (d)	0/28 (0%)	1/21 (5%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	549	688	475	634
STATISTICAL TESTS				
POLY 3	P=0.333	P=0.293	P=0.513	P=0.325
POLY 1.5	P=0.317	P=0.298	P=0.507	P=0.314
POLY 6	P=0.359	P=0.287	P=0.520	P=0.343
COCH-ARM / FISHERS	P=0.303	P=0.309	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.303	P=0.149	P=0.294	P=0.174

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.54	0/41.57	0/43.89	0/45.16
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	547	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.247N	P=0.235N	P=0.229N
POLY 1.5	P=0.112N	P=0.243N	P=0.236N	P=0.234N
POLY 6	P=0.108N	P=0.254N	P=0.234N	P=0.221N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.086N	P=0.076N	P=0.076N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Forestomach Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	0/41.57	1/44.27	0/45.16
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	624	---
STATISTICAL TESTS				
POLY 3	P=0.718	(e)	P=0.507	(e)
POLY 1.5	P=0.705	(e)	P=0.504	(e)
POLY 6	P=0.738	(e)	P=0.512	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.403	(e)	P=0.168	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/43.03	4/42.46	2/44.18	2/45.62
POLY-3 PERCENT (g)	2.3%	9.4%	4.5%	4.4%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	1/25 (4%)	0/36 (0%)
FIRST INCIDENCE	625	646	652	628
STATISTICAL TESTS				
POLY 3	P=0.583N	P=0.174	P=0.509	P=0.520
POLY 1.5	P=0.587	P=0.176	P=0.505	P=0.510
POLY 6	P=0.558N	P=0.172	P=0.515	P=0.537
COCH-ARM / FISHERS	P=0.570	P=0.181	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.355	P=0.082	P=0.291	P=0.303

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Glandular Erosion				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	0/41.57	3/44.74	0/45.16
POLY-3 PERCENT (g)	0%	0%	6.7%	0%
TERMINAL (d)	0/28 (0%)	0/21 (0%)	0/25 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	624	---
STATISTICAL TESTS				
POLY 3	P=0.580	(e)	P=0.127	(e)
POLY 1.5	P=0.558	(e)	P=0.123	(e)
POLY 6	P=0.614	(e)	P=0.133	(e)
COCH-ARM / FISHERS	P=0.538	(e)	P=0.121	(e)
MAX-ISO-POLY-3	P=0.187	(e)	P=0.045*	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Testes				
Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.66	2/41.57	1/43.89	0/45.16
POLY-3 PERCENT (g)	0%	4.8%	2.3%	0%
TERMINAL (d)	0/28 (0%)	2/21 (10%)	1/25 (4%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.441N	P=0.231	P=0.506	(e)
POLY 1.5	P=0.451N	P=0.234	P=0.503	(e)
POLY 6	P=0.426N	P=0.227	P=0.509	(e)
COCH-ARM / FISHERS	P=0.459N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.327N	P=0.075	P=0.165	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Testes: Germinal Epithelium Atrophy				
LESION RATES				
OVERALL (a)	9/50 (18%)	11/50 (22%)	7/50 (14%)	15/50 (30%)
POLY-3 RATE (b)	9/42.69	11/42.74	7/44.02	15/45.56
POLY-3 PERCENT (g)	21.1%	25.7%	15.9%	32.9%
TERMINAL (d)	8/28 (29%)	5/21 (24%)	5/25 (20%)	13/36 (36%)
FIRST INCIDENCE	723	635	712	646
STATISTICAL TESTS				
POLY 3	P=0.137	P=0.400	P=0.365N	P=0.154
POLY 1.5	P=0.121	P=0.398	P=0.378N	P=0.135
POLY 6	P=0.167	P=0.407	P=0.346N	P=0.191
COCH-ARM / FISHERS	P=0.109	P=0.402	P=0.393N	P=0.121
MAX-ISO-POLY-3	P=0.152	P=0.305	P=0.270N	P=0.110

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Testes: Interstitial Cell Hyperplasia				
LESION RATES				
OVERALL (a)	24/50 (48%)	18/50 (36%)	14/50 (28%)	17/50 (34%)
POLY-3 RATE (b)	24/48.57	18/45.68	14/46.00	17/47.41
POLY-3 PERCENT (g)	49.4%	39.4%	30.4%	35.9%
TERMINAL (d)	7/28 (25%)	5/21 (24%)	7/25 (28%)	12/36 (33%)
FIRST INCIDENCE	505	473	475	527
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.219N	P=0.044N*	P=0.126N
POLY 1.5	P=0.104N	P=0.190N	P=0.038N*	P=0.123N
POLY 6	P=0.097N	P=0.263N	P=0.055N	P=0.128N
COCH-ARM / FISHERS	P=0.103N	P=0.156N	P=0.032N*	P=0.111N
MAX-ISO-POLY-3	P=0.077N	P=0.170N	P=0.031N*	P=0.091N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	17/50 (34%)	13/50 (26%)	7/50 (14%)	11/50 (22%)
POLY-3 RATE (b)	17/45.91	13/44.05	7/44.91	11/45.80
POLY-3 PERCENT (g)	37%	29.5%	15.6%	24%
TERMINAL (d)	9/28 (32%)	4/21 (19%)	3/25 (12%)	9/36 (25%)
FIRST INCIDENCE	505	512	569	562
STATISTICAL TESTS				
POLY 3	P=0.079N	P=0.296N	P=0.016N*	P=0.128N
POLY 1.5	P=0.084N	P=0.280N	P=0.016N*	P=0.133N
POLY 6	P=0.071N	P=0.317N	P=0.016N*	P=0.119N
COCH-ARM / FISHERS	P=0.090N	P=0.257N	P=0.017N*	P=0.133N
MAX-ISO-POLY-3	P=0.044N*	P=0.228N	P=0.009N**	P=0.086N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Males			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Urinary Bladder: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.66	0/41.57	0/43.08	2/45.26
POLY-3 PERCENT (g)	2.3%	0%	0%	4.4%
TERMINAL (d)	1/28 (4%)	0/21 (0%)	0/25 (0%)	1/36 (3%)
FIRST INCIDENCE	729 (T)	---	---	703
STATISTICAL TESTS				
POLY 3	P=0.257	P=0.505N	P=0.498N	P=0.521
POLY 1.5	P=0.251	P=0.503N	P=0.501N	P=0.510
POLY 6	P=0.268	P=0.508N	P=0.494N	P=0.538
COCH-ARM / FISHERS	P=0.245	P=0.500N	P=0.505N	P=0.500
MAX-ISO-POLY-3	P=0.160	P=0.165N	P=0.160N	P=0.303

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	6/50 (12%)	15/50 (30%)	18/50 (36%)
POLY-3 RATE (b)	12/44.06	6/45.58	15/44.26	18/45.03
POLY-3 PERCENT (g)	27.2%	13.2%	33.9%	40%
TERMINAL (d)	7/31 (23%)	5/31 (16%)	13/30 (43%)	14/34 (41%)
FIRST INCIDENCE	625	578	481	618
STATISTICAL TESTS				
POLY 3	P=0.021*	P=0.078N	P=0.326	P=0.144
POLY 1.5	P=0.022*	P=0.083N	P=0.329	P=0.142
POLY 6	P=0.021*	P=0.078N	P=0.313	P=0.146
COCH-ARM / FISHERS	P=0.025*	P=0.096N	P=0.326	P=0.138
MAX-ISO-POLY-3	P=0.026*	P=0.049N*	P=0.248	P=0.101

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Cortex				
Hyperplasia Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/43.14	1/45.08	3/43.50	0/44.02
POLY-3 PERCENT (g)	2.3%	2.2%	6.9%	0%
TERMINAL (d)	1/31 (3%)	1/31 (3%)	3/30 (10%)	0/34 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.406N	P=0.751N	P=0.308	P=0.496N
POLY 1.5	P=0.407N	P=0.754N	P=0.307	P=0.497N
POLY 6	P=0.403N	P=0.750N	P=0.308	P=0.494N
COCH-ARM / FISHERS	P=0.409N	P=0.753N	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.236N	P=0.487N	P=0.157	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

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Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	14/50 (28%)	13/50 (26%)	13/50 (26%)	11/50 (22%)
POLY-3 RATE (b)	14/44.11	13/45.78	13/44.75	11/45.51
POLY-3 PERCENT (g)	31.7%	28.4%	29.1%	24.2%
TERMINAL (d)	10/31 (32%)	10/31 (32%)	8/30 (27%)	5/34 (15%)
FIRST INCIDENCE	599	631	618	586
STATISTICAL TESTS				
POLY 3	P=0.258N	P=0.454N	P=0.482N	P=0.286N
POLY 1.5	P=0.269N	P=0.467N	P=0.490N	P=0.300N
POLY 6	P=0.240N	P=0.451N	P=0.474N	P=0.269N
COCH-ARM / FISHERS	P=0.282N	P=0.500N	P=0.500N	P=0.322N
MAX-ISO-POLY-3	P=0.351N	P=0.366N	P=0.390N	P=0.216N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	6/50 (12%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	6/43.25	1/45.50	2/43.50	0/44.02
POLY-3 PERCENT (g)	13.9%	2.2%	4.6%	0%
TERMINAL (d)	4/31 (13%)	0/31 (0%)	2/30 (7%)	0/34 (0%)
FIRST INCIDENCE	716	607	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.012N*	P=0.048N*	P=0.130N	P=0.014N*
POLY 1.5	P=0.012N*	P=0.051N	P=0.131N	P=0.015N*
POLY 6	P=0.012N*	P=0.046N*	P=0.129N	P=0.014N*
COCH-ARM / FISHERS	P=0.012N*	P=0.056N	P=0.134N	P=0.013N*
MAX-ISO-POLY-3	P=0.002N**	P=0.022N*	P=0.067N	P=0.004N**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Bone Marrow				
Hyperplasia Reticulum Cell				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/43.14	1/45.38	1/43.53	3/45.02
POLY-3 PERCENT (g)	4.6%	2.2%	2.3%	6.7%
TERMINAL (d)	2/31 (7%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	730 (T)	646	724	586
STATISTICAL TESTS				
POLY 3	P=0.329	P=0.482N	P=0.497N	P=0.519
POLY 1.5	P=0.327	P=0.488N	P=0.498N	P=0.511
POLY 6	P=0.335	P=0.478N	P=0.496N	P=0.531
COCH-ARM / FISHERS	P=0.324	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.319	P=0.270N	P=0.279N	P=0.344

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Brain Compression				
LESION RATES				
OVERALL (a)	12/50 (24%)	11/50 (22%)	14/50 (28%)	9/50 (18%)
POLY-3 RATE (b)	12/45.34	11/46.97	14/46.21	9/45.83
POLY-3 PERCENT (g)	26.5%	23.4%	30.3%	19.6%
TERMINAL (d)	4/31 (13%)	4/31 (13%)	6/30 (20%)	3/34 (9%)
FIRST INCIDENCE	544	574	544	429
STATISTICAL TESTS				
POLY 3	P=0.302N	P=0.461N	P=0.431	P=0.300N
POLY 1.5	P=0.302N	P=0.472N	P=0.422	P=0.302N
POLY 6	P=0.305N	P=0.462N	P=0.438	P=0.303N
COCH-ARM / FISHERS	P=0.305N	P=0.500N	P=0.410	P=0.312N
MAX-ISO-POLY-3	P=0.356N	P=0.369N	P=0.343	P=0.221N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Brain				
Gliososis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/50 (2%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	4/45.12	1/45.39	2/43.82	5/44.99
POLY-3 PERCENT (g)	8.9%	2.2%	4.6%	11.1%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	2/34 (6%)
FIRST INCIDENCE	361	645	641	590
STATISTICAL TESTS				
POLY 3	P=0.267	P=0.177N	P=0.350N	P=0.498
POLY 1.5	P=0.268	P=0.177N	P=0.346N	P=0.498
POLY 6	P=0.269	P=0.178N	P=0.356N	P=0.501
COCH-ARM / FISHERS	P=0.272	P=0.181N	P=0.339N	P=0.500
MAX-ISO-POLY-3	P=0.210	P=0.083N	P=0.214N	P=0.361

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Clitoral Gland Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/43.14	1/45.32	2/43.66	4/44.02
POLY-3 PERCENT (g)	2.3%	2.2%	4.6%	9.1%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	1/30 (3%)	4/34 (12%)
FIRST INCIDENCE	730 (T)	666	688	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.071	P=0.750N	P=0.504	P=0.184
POLY 1.5	P=0.071	P=0.753N	P=0.502	P=0.183
POLY 6	P=0.071	P=0.748N	P=0.506	P=0.186
COCH-ARM / FISHERS	P=0.071	P=0.753N	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.103	P=0.486N	P=0.285	P=0.089

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Clitoral Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	2/43.29	5/45.92	4/43.90	6/44.03
POLY-3 PERCENT (g)	4.6%	10.9%	9.1%	13.6%
TERMINAL (d)	0/31 (0%)	3/31 (10%)	3/30 (10%)	5/34 (15%)
FIRST INCIDENCE	704	574	618	729
STATISTICAL TESTS				
POLY 3	P=0.143	P=0.240	P=0.343	P=0.137
POLY 1.5	P=0.143	P=0.232	P=0.341	P=0.136
POLY 6	P=0.142	P=0.246	P=0.344	P=0.138
COCH-ARM / FISHERS	P=0.142	P=0.218	P=0.339	P=0.134
MAX-ISO-POLY-3	P=0.126	P=0.143	P=0.207	P=0.073

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Anterior Chamber Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	1/44.23
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	---	---	---	675
STATISTICAL TESTS				
POLY 3	P=0.200	(e)	(e)	P=0.505
POLY 1.5	P=0.199	(e)	(e)	P=0.503
POLY 6	P=0.201	(e)	(e)	P=0.507
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.132	(e)	(e)	P=0.165

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Cornea Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.14	2/45.59	2/43.50	1/44.02
POLY-3 PERCENT (g)	0%	4.4%	4.6%	2.3%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	2/30 (7%)	1/34 (3%)
FIRST INCIDENCE	---	631	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.479	P=0.250	P=0.239	P=0.504
POLY 1.5	P=0.476	P=0.245	P=0.238	P=0.503
POLY 6	P=0.482	P=0.253	P=0.239	P=0.506
COCH-ARM / FISHERS	P=0.470	P=0.247	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.242	P=0.088	P=0.078	P=0.164

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Cornea				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Cornea				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/44.22	0/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	---	---	481	---
STATISTICAL TESTS				
POLY 3	P=0.696	(e)	P=0.505	(e)
POLY 1.5	P=0.695	(e)	P=0.503	(e)
POLY 6	P=0.698	(e)	P=0.506	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.395	(e)	P=0.165	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Lens				
Cataract				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	3/44.00	2/45.13	6/43.55	4/44.02
POLY-3 PERCENT (g)	6.8%	4.4%	13.8%	9.1%
TERMINAL (d)	0/31 (0%)	1/31 (3%)	5/30 (17%)	4/34 (12%)
FIRST INCIDENCE	590	717	719	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.301	P=0.488N	P=0.236	P=0.500
POLY 1.5	P=0.304	P=0.491N	P=0.239	P=0.501
POLY 6	P=0.297	P=0.492N	P=0.229	P=0.497
COCH-ARM / FISHERS	P=0.308	P=0.500N	P=0.243	P=0.500
MAX-ISO-POLY-3	P=0.265	P=0.316N	P=0.143	P=0.347

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Retina Atrophy				
LESION RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	4/44.00	2/45.13	8/43.87	6/44.02
POLY-3 PERCENT (g)	9.1%	4.4%	18.2%	13.6%
TERMINAL (d)	1/31 (3%)	1/31 (3%)	6/30 (20%)	6/34 (18%)
FIRST INCIDENCE	590	717	641	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.160	P=0.325N	P=0.174	P=0.369
POLY 1.5	P=0.163	P=0.328N	P=0.176	P=0.371
POLY 6	P=0.157	P=0.328N	P=0.169	P=0.364
COCH-ARM / FISHERS	P=0.169	P=0.339N	P=0.178	P=0.370
MAX-ISO-POLY-3	P=0.135	P=0.194N	P=0.105	P=0.252

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Eye: Sclera				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	4/43.59	2/45.08	2/43.83	2/44.23
POLY-3 PERCENT (g)	9.2%	4.4%	4.6%	4.5%
TERMINAL (d)	2/31 (7%)	2/31 (7%)	1/30 (3%)	1/34 (3%)
FIRST INCIDENCE	665	730 (T)	639	675
STATISTICAL TESTS				
POLY 3	P=0.294N	P=0.321N	P=0.334N	P=0.330N
POLY 1.5	P=0.294N	P=0.326N	P=0.336N	P=0.332N
POLY 6	P=0.292N	P=0.323N	P=0.335N	P=0.328N
COCH-ARM / FISHERS	P=0.292N	P=0.339N	P=0.339N	P=0.339N
MAX-ISO-POLY-3	P=0.283N	P=0.192N	P=0.199N	P=0.197N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Harderian Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	0/34 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.697	(e)	P=0.502	(e)
POLY 1.5	P=0.696	(e)	P=0.501	(e)
POLY 6	P=0.700	(e)	P=0.502	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.392	(e)	P=0.161	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	16/50 (32%)	17/50 (34%)	23/50 (46%)	16/50 (32%)
POLY-3 RATE (b)	16/44.09	17/46.90	23/44.94	16/45.93
POLY-3 PERCENT (g)	36.3%	36.3%	51.2%	34.8%
TERMINAL (d)	10/31 (32%)	11/31 (36%)	17/30 (57%)	11/34 (32%)
FIRST INCIDENCE	638	574	553	571
STATISTICAL TESTS				
POLY 3	P=0.541	P=0.585N	P=0.109	P=0.530N
POLY 1.5	P=0.523	P=0.558	P=0.109	P=0.552N
POLY 6	P=0.520N	P=0.568N	P=0.107	P=0.507N
COCH-ARM / FISHERS	P=0.500	P=0.500	P=0.109	P=0.585N
MAX-ISO-POLY-3	P=0.421	P=0.498N	P=0.075	P=0.442N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Heart: Atrium Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney				
Nephropathy Chronic				
LESION RATES				
OVERALL (a)	26/50 (52%)	31/50 (62%)	30/50 (60%)	24/50 (48%)
POLY-3 RATE (b)	26/46.78	31/47.21	30/47.41	24/47.88
POLY-3 PERCENT (g)	55.6%	65.7%	63.3%	50.1%
TERMINAL (d)	16/31 (52%)	23/31 (74%)	16/30 (53%)	14/34 (41%)
FIRST INCIDENCE	502	574	544	429
STATISTICAL TESTS				
POLY 3	P=0.216N	P=0.210	P=0.289	P=0.372N
POLY 1.5	P=0.236N	P=0.218	P=0.278	P=0.386N
POLY 6	P=0.196N	P=0.179	P=0.307	P=0.364N
COCH-ARM / FISHERS	P=0.273N	P=0.210	P=0.273	P=0.421N
MAX-ISO-POLY-3	P=0.206N	P=0.154	P=0.223	P=0.298N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Cortex Infarct				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/43.50	1/44.26
POLY-3 PERCENT (g)	0%	0%	2.3%	2.3%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	0/34 (0%)
FIRST INCIDENCE	---	---	730 (T)	667
STATISTICAL TESTS				
POLY 3	P=0.239	(e)	P=0.502	P=0.505
POLY 1.5	P=0.238	(e)	P=0.501	P=0.503
POLY 6	P=0.242	(e)	P=0.502	P=0.508
COCH-ARM / FISHERS	P=0.235	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.262	(e)	P=0.161	P=0.165

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Papilla Mineralization				
LESION RATES				
OVERALL (a)	12/50 (24%)	13/50 (26%)	9/50 (18%)	4/50 (8%)
POLY-3 RATE (b)	12/44.16	13/46.23	9/44.69	4/44.02
POLY-3 PERCENT (g)	27.2%	28.1%	20.1%	9.1%
TERMINAL (d)	9/31 (29%)	9/31 (29%)	5/30 (17%)	4/34 (12%)
FIRST INCIDENCE	544	574	554	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.011N*	P=0.554	P=0.297N	P=0.024N*
POLY 1.5	P=0.011N*	P=0.537	P=0.304N	P=0.025N*
POLY 6	P=0.011N*	P=0.562	P=0.290N	P=0.024N*
COCH-ARM / FISHERS	P=0.012N*	P=0.500	P=0.312N	P=0.027N*
MAX-ISO-POLY-3	P=0.017N*	P=0.460	P=0.219N	P=0.012N*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Pelvis, Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	2/45.08	2/43.50	0/44.02
POLY-3 PERCENT (g)	0%	4.4%	4.6%	0%
TERMINAL (d)	0/31 (0%)	2/31 (7%)	2/30 (7%)	0/34 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.490N	P=0.247	P=0.239	(e)
POLY 1.5	P=0.493N	P=0.244	P=0.238	(e)
POLY 6	P=0.486N	P=0.248	P=0.239	(e)
COCH-ARM / FISHERS	P=0.499N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.281N	P=0.085	P=0.078	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Kidney: Pelvis, Transitional Epithelium Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.41	0/45.08	0/43.50	1/44.82
POLY-3 PERCENT (g)	4.5%	0%	0%	2.2%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	502	---	---	429
STATISTICAL TESTS				
POLY 3	P=0.466N	P=0.234N	P=0.242N	P=0.497N
POLY 1.5	P=0.465N	P=0.234N	P=0.240N	P=0.497N
POLY 6	P=0.466N	P=0.235N	P=0.244N	P=0.497N
COCH-ARM / FISHERS	P=0.462N	P=0.247N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.134N	P=0.076N	P=0.080N	P=0.279N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx				
Foreign Body				
LESION RATES				
OVERALL (a)	4/50 (8%)	6/50 (12%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	4/43.74	6/45.59	4/44.07	1/44.02
POLY-3 PERCENT (g)	9.2%	13.2%	9.1%	2.3%
TERMINAL (d)	3/31 (10%)	5/31 (16%)	2/30 (7%)	1/34 (3%)
FIRST INCIDENCE	536	575	639	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.092N	P=0.395	P=0.640N	P=0.176N
POLY 1.5	P=0.093N	P=0.388	P=0.641N	P=0.177N
POLY 6	P=0.091N	P=0.398	P=0.637N	P=0.175N
COCH-ARM / FISHERS	P=0.094N	P=0.370	P=0.643N	P=0.181N
MAX-ISO-POLY-3	P=0.106N	P=0.279	P=0.495N	P=0.082N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/43.30	1/45.08	2/43.76	2/44.54
POLY-3 PERCENT (g)	4.6%	2.2%	4.6%	4.5%
TERMINAL (d)	1/31 (3%)	1/31 (3%)	1/30 (3%)	1/34 (3%)
FIRST INCIDENCE	688	730 (T)	661	571
STATISTICAL TESTS				
POLY 3	P=0.530	P=0.486N	P=0.690N	P=0.684N
POLY 1.5	P=0.528	P=0.490N	P=0.692N	P=0.687N
POLY 6	P=0.535	P=0.485N	P=0.690N	P=0.680N
COCH-ARM / FISHERS	P=0.525	P=0.500N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.616	P=0.272N	P=0.495N	P=0.488N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx: Epiglottis Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	2/43.53	0/44.02
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	0/34 (0%)
FIRST INCIDENCE	---	---	724	---
STATISTICAL TESTS				
POLY 3	P=0.599	(e)	P=0.239	(e)
POLY 1.5	P=0.597	(e)	P=0.238	(e)
POLY 6	P=0.603	(e)	P=0.239	(e)
COCH-ARM / FISHERS	P=0.594	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.257	(e)	P=0.078	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Larynx: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	2/45.40	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/31 (0%)	1/31 (3%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	---	640	---	---
STATISTICAL TESTS				
POLY 3	P=0.392N	P=0.249	(e)	(e)
POLY 1.5	P=0.395N	P=0.245	(e)	(e)
POLY 6	P=0.389N	P=0.251	(e)	(e)
COCH-ARM / FISHERS	P=0.403N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.262N	P=0.087	(e)	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/43.24	1/45.08	3/43.50	3/44.02
POLY-3 PERCENT (g)	6.9%	2.2%	6.9%	6.8%
TERMINAL (d)	2/31 (7%)	1/31 (3%)	3/30 (10%)	3/34 (9%)
FIRST INCIDENCE	704	730 (T)	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.454	P=0.290N	P=0.660N	P=0.654N
POLY 1.5	P=0.454	P=0.295N	P=0.661N	P=0.657N
POLY 6	P=0.455	P=0.289N	P=0.661N	P=0.652N
COCH-ARM / FISHERS	P=0.455	P=0.309N	P=0.661N	P=0.661N
MAX-ISO-POLY-3	P=0.513	P=0.148N	P=0.496N	P=0.490N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	20/50 (40%)	14/50 (28%)	23/50 (46%)	22/50 (44%)
POLY-3 RATE (b)	20/45.25	14/46.17	23/45.51	22/45.89
POLY-3 PERCENT (g)	44.2%	30.3%	50.5%	48%
TERMINAL (d)	14/31 (45%)	10/31 (32%)	16/30 (53%)	18/34 (53%)
FIRST INCIDENCE	486	631	481	571
STATISTICAL TESTS				
POLY 3	P=0.190	P=0.120N	P=0.344	P=0.440
POLY 1.5	P=0.190	P=0.128N	P=0.342	P=0.432
POLY 6	P=0.196	P=0.115N	P=0.350	P=0.453
COCH-ARM / FISHERS	P=0.195	P=0.146N	P=0.343	P=0.420
MAX-ISO-POLY-3	P=0.191	P=0.084N	P=0.271	P=0.358

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	16/50 (32%)	9/50 (18%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	16/43.98	9/46.28	8/44.01	7/44.27
POLY-3 PERCENT (g)	36.4%	19.5%	18.2%	15.8%
TERMINAL (d)	12/31 (39%)	5/31 (16%)	6/30 (20%)	6/34 (18%)
FIRST INCIDENCE	590	578	618	663
STATISTICAL TESTS				
POLY 3	P=0.027N*	P=0.056N	P=0.043N*	P=0.022N*
POLY 1.5	P=0.027N*	P=0.064N	P=0.045N*	P=0.024N*
POLY 6	P=0.027N*	P=0.051N	P=0.042N*	P=0.021N*
COCH-ARM / FISHERS	P=0.028N*	P=0.083N	P=0.050N*	P=0.028N*
MAX-ISO-POLY-3	P=0.015N*	P=0.037N*	P=0.025N*	P=0.012N*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.14	0/45.08	2/43.50	0/44.02
POLY-3 PERCENT (g)	2.3%	0%	4.6%	0%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	2/30 (7%)	0/34 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.463N	P=0.491N	P=0.503	P=0.496N
POLY 1.5	P=0.463N	P=0.494N	P=0.502	P=0.497N
POLY 6	P=0.462N	P=0.490N	P=0.503	P=0.494N
COCH-ARM / FISHERS	P=0.462N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.332N	P=0.158N	P=0.283	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	9/50 (18%)	6/50 (12%)	2/50 (4%)	9/50 (18%)
POLY-3 RATE (b)	9/43.29	6/45.54	2/43.66	9/44.97
POLY-3 PERCENT (g)	20.8%	13.2%	4.6%	20%
TERMINAL (d)	7/31 (23%)	3/31 (10%)	1/30 (3%)	7/34 (21%)
FIRST INCIDENCE	704	631	688	586
STATISTICAL TESTS				
POLY 3	P=0.535	P=0.250N	P=0.023N*	P=0.569N
POLY 1.5	P=0.532	P=0.263N	P=0.024N*	P=0.582N
POLY 6	P=0.542	P=0.241N	P=0.022N*	P=0.553N
COCH-ARM / FISHERS	P=0.528	P=0.288N	P=0.026N*	P=0.602N
MAX-ISO-POLY-3	P=0.218N	P=0.175N	P=0.010N**	P=0.464N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	1/45.17	1/43.69	0/44.02
POLY-3 PERCENT (g)	0%	2.2%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	---	706	682	---
STATISTICAL TESTS				
POLY 3	P=0.588N	P=0.509	P=0.503	(e)
POLY 1.5	P=0.590N	P=0.506	P=0.501	(e)
POLY 6	P=0.586N	P=0.511	P=0.504	(e)
COCH-ARM / FISHERS	P=0.594N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.413N	P=0.170	P=0.162	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Liver				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	3/50 (6%)	8/50 (16%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	3/43.56	8/47.10	6/44.05	2/44.78
POLY-3 PERCENT (g)	6.9%	17%	13.6%	4.5%
TERMINAL (d)	1/31 (3%)	1/31 (3%)	3/30 (10%)	0/34 (0%)
FIRST INCIDENCE	625	574	638	571
STATISTICAL TESTS				
POLY 3	P=0.228N	P=0.124	P=0.246	P=0.487N
POLY 1.5	P=0.233N	P=0.115	P=0.245	P=0.492N
POLY 6	P=0.222N	P=0.135	P=0.247	P=0.482N
COCH-ARM / FISHERS	P=0.243N	P=0.100	P=0.243	P=0.500N
MAX-ISO-POLY-3	P=0.175N	P=0.077	P=0.150	P=0.315N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	6/50 (12%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	6/43.14	2/45.61	1/43.50	2/44.02
POLY-3 PERCENT (g)	13.9%	4.4%	2.3%	4.5%
TERMINAL (d)	6/31 (19%)	0/31 (0%)	1/30 (3%)	2/34 (6%)
FIRST INCIDENCE	730 (T)	607	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.115N	P=0.054N	P=0.125N
POLY 1.5	P=0.096N	P=0.121N	P=0.055N	P=0.128N
POLY 6	P=0.097N	P=0.110N	P=0.053N	P=0.122N
COCH-ARM / FISHERS	P=0.095N	P=0.134N	P=0.056N	P=0.134N
MAX-ISO-POLY-3	P=0.034N*	P=0.063N	P=0.023N*	P=0.066N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	11/50 (22%)	7/50 (14%)	24/50 (48%)
POLY-3 RATE (b)	4/43.61	11/46.69	7/44.17	24/46.56
POLY-3 PERCENT (g)	9.2%	23.6%	15.9%	51.5%
TERMINAL (d)	3/31 (10%)	5/31 (16%)	4/30 (13%)	17/34 (50%)
FIRST INCIDENCE	590	607	618	429
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.058	P=0.267	P<0.001**
POLY 1.5	P<0.001**	P=0.053	P=0.265	P<0.001**
POLY 6	P<0.001**	P=0.064	P=0.269	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.045*	P=0.262	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.036*	P=0.174	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	0/34 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.697	(e)	P=0.502	(e)
POLY 1.5	P=0.696	(e)	P=0.501	(e)
POLY 6	P=0.700	(e)	P=0.502	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.392	(e)	P=0.161	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	6/50 (12%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	3/43.14	6/45.99	4/43.50	3/44.02
POLY-3 PERCENT (g)	7%	13.1%	9.2%	6.8%
TERMINAL (d)	3/31 (10%)	3/31 (10%)	4/30 (13%)	3/34 (9%)
FIRST INCIDENCE	730 (T)	607	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.423N	P=0.274	P=0.505	P=0.653N
POLY 1.5	P=0.425N	P=0.263	P=0.503	P=0.656N
POLY 6	P=0.420N	P=0.285	P=0.505	P=0.650N
COCH-ARM / FISHERS	P=0.429N	P=0.243	P=0.500	P=0.661N
MAX-ISO-POLY-3	P=0.480N	P=0.178	P=0.351	P=0.489N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	13/50 (26%)	24/50 (48%)	27/50 (54%)	35/50 (70%)
POLY-3 RATE (b)	13/44.91	24/46.81	27/46.16	35/49.08
POLY-3 PERCENT (g)	29%	51.3%	58.5%	71.3%
TERMINAL (d)	8/31 (26%)	16/31 (52%)	19/30 (63%)	23/34 (68%)
FIRST INCIDENCE	502	631	544	429
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.021*	P=0.003**	P<0.001**
POLY 1.5	P<0.001**	P=0.020*	P=0.003**	P<0.001**
POLY 6	P<0.001**	P=0.022*	P=0.003**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.019*	P=0.004**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.014*	P=0.002**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Alveolus Proteinosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/43.50	2/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	4.5%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	2/34 (6%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.070	(e)	P=0.502	P=0.242
POLY 1.5	P=0.070	(e)	P=0.501	P=0.240
POLY 6	P=0.070	(e)	P=0.502	P=0.243
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.083	(e)	P=0.161	P=0.080

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Artery Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.14	1/45.36	0/43.50	0/44.02
POLY-3 PERCENT (g)	2.3%	2.2%	0%	0%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	730 (T)	654	---	---
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.749N	P=0.498N	P=0.496N
POLY 1.5	P=0.236N	P=0.753N	P=0.499N	P=0.497N
POLY 6	P=0.235N	P=0.747N	P=0.498N	P=0.494N
COCH-ARM / FISHERS	P=0.235N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.255N	P=0.485N	P=0.158N	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lung: Interstitium Fibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.14	2/45.28	0/43.50	2/44.02
POLY-3 PERCENT (g)	2.3%	4.4%	0%	4.5%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	2/34 (6%)
FIRST INCIDENCE	730 (T)	702	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.474	P=0.517	P=0.498N	P=0.507
POLY 1.5	P=0.473	P=0.511	P=0.499N	P=0.505
POLY 6	P=0.476	P=0.521	P=0.498N	P=0.510
COCH-ARM / FISHERS	P=0.470	P=0.500	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.427	P=0.299	P=0.158N	P=0.288

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Lymph Node, Mediastinal Pigmentation				
LESION RATES				
OVERALL (a)	0/33 (0%)	0/27 (0%)	0/25 (0%)	2/29 (7%)
POLY-3 RATE (b)	0/29.32	0/24.02	0/21.70	2/25.64
POLY-3 PERCENT (g)	0%	0%	0%	7.8%
TERMINAL (d)	0/22 (0%)	0/17 (0%)	0/13 (0%)	1/18 (6%)
FIRST INCIDENCE	---	---	---	675
STATISTICAL TESTS				
POLY 3	P=0.043*	(e)	(e)	P=0.206
POLY 1.5	P=0.043*	(e)	(e)	P=0.207
POLY 6	P=0.043*	(e)	(e)	P=0.203
COCH-ARM / FISHERS	P=0.045*	(e)	(e)	P=0.215
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.067

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Mammary Gland				
Galactocele				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	4/43.94	3/45.58	5/44.48	3/44.56
POLY-3 PERCENT (g)	9.1%	6.6%	11.2%	6.7%
TERMINAL (d)	2/31 (7%)	2/31 (7%)	1/30 (3%)	1/34 (3%)
FIRST INCIDENCE	590	578	554	647
STATISTICAL TESTS				
POLY 3	P=0.482N	P=0.480N	P=0.508	P=0.492N
POLY 1.5	P=0.483N	P=0.485N	P=0.504	P=0.495N
POLY 6	P=0.478N	P=0.480N	P=0.510	P=0.490N
COCH-ARM / FISHERS	P=0.482N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.547N	P=0.332N	P=0.370	P=0.341N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Mesentery				
Necrosis				
LESION RATES				
OVERALL (a)	15/16 (94%)	14/15 (93%)	17/18 (94%)	10/10 (100%)
POLY-3 RATE (b)	15/15.90	14/14.91	17/17.08	10/10.00
POLY-3 PERCENT (g)	94.4%	93.9%	99.6%	100%
TERMINAL (d)	9/9 (100%)	9/9 (100%)	11/11 (100%)	7/7 (100%)
FIRST INCIDENCE	486	578	618	586
STATISTICAL TESTS				
POLY 3	P=0.320	P=0.767N	P=0.564	P=0.636
POLY 1.5	P=0.328	P=0.756N	P=0.611	P=0.614
POLY 6	P=0.337	P=0.789N	P=0.584	P=0.682
COCH-ARM / FISHERS	P=0.391	P=0.742N	P=0.727	P=0.615
MAX-ISO-POLY-3	P=0.352	P=0.479N	P=0.174	P=0.240

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	6/50 (12%)	1/49 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	6/44.40	1/44.59	1/43.50	2/44.02
POLY-3 PERCENT (g)	13.5%	2.2%	2.3%	4.5%
TERMINAL (d)	4/31 (13%)	1/31 (3%)	1/30 (3%)	2/34 (6%)
FIRST INCIDENCE	502	730 (T)	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.115N	P=0.055N	P=0.059N	P=0.135N
POLY 1.5	P=0.114N	P=0.056N	P=0.058N	P=0.134N
POLY 6	P=0.116N	P=0.054N	P=0.060N	P=0.136N
COCH-ARM / FISHERS	P=0.113N	P=0.059N	P=0.056N	P=0.134N
MAX-ISO-POLY-3	P=0.024N*	P=0.024N*	P=0.026N*	P=0.070N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose Inflammation				
LESION RATES				
OVERALL (a)	6/50 (12%)	4/49 (8%)	15/50 (30%)	34/50 (68%)
POLY-3 RATE (b)	6/44.40	4/44.59	15/44.13	34/48.09
POLY-3 PERCENT (g)	13.5%	9%	34%	70.7%
TERMINAL (d)	4/31 (13%)	4/31 (13%)	11/30 (37%)	23/34 (68%)
FIRST INCIDENCE	502	730 (T)	639	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.366N	P=0.019*	P<0.001**
POLY 1.5	P<0.001**	P=0.371N	P=0.021*	P<0.001**
POLY 6	P<0.001**	P=0.367N	P=0.018*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.383N	P=0.024*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.251N	P=0.010**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Glands, Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	9/50 (18%)	46/49 (94%)	45/50 (90%)	44/50 (88%)
POLY-3 RATE (b)	9/45.20	46/48.65	45/49.35	44/48.57
POLY-3 PERCENT (g)	19.9%	94.6%	91.2%	90.6%
TERMINAL (d)	6/31 (19%)	29/31 (94%)	27/30 (90%)	32/34 (94%)
FIRST INCIDENCE	361	574	310	429
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Glands, Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	45/50 (90%)	49/49 (100%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	45/49.50	49/49.00	48/49.27	49/50.00
POLY-3 PERCENT (g)	90.9%	100%	97.4%	98%
TERMINAL (d)	28/31 (90%)	31/31 (100%)	30/30 (100%)	33/34 (97%)
FIRST INCIDENCE	361	574	310	429
STATISTICAL TESTS				
POLY 3	P=0.113	P=0.039*	P=0.155	P=0.127
POLY 1.5	P=0.110	P=0.035*	P=0.183	P=0.115
POLY 6	P=0.121	P=0.047*	P=0.119	P=0.149
COCH-ARM / FISHERS	P=0.111	P=0.030*	P=0.218	P=0.102
MAX-ISO-POLY-3	P=0.020*	P=0.012*	P=0.071	P=0.056

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Goblet Cell Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	4/50 (8%)	20/50 (40%)
POLY-3 RATE (b)	1/43.14	0/44.59	4/43.90	20/45.86
POLY-3 PERCENT (g)	2.3%	0%	9.1%	43.6%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	3/30 (10%)	16/34 (47%)
FIRST INCIDENCE	730 (T)	---	618	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.493N	P=0.183	P<0.001**
POLY 1.5	P<0.001**	P=0.497N	P=0.182	P<0.001**
POLY 6	P<0.001**	P=0.491N	P=0.185	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.505N	P=0.181	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.160N	P=0.088	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Nasolacrimal Duct Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.44	2/44.75	0/43.50	0/44.02
POLY-3 PERCENT (g)	4.6%	4.5%	0%	0%
TERMINAL (d)	0/31 (0%)	1/31 (3%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	665	688	---	---
STATISTICAL TESTS				
POLY 3	P=0.085N	P=0.683N	P=0.237N	P=0.234N
POLY 1.5	P=0.085N	P=0.689N	P=0.237N	P=0.235N
POLY 6	P=0.085N	P=0.681N	P=0.238N	P=0.233N
COCH-ARM / FISHERS	P=0.085N	P=0.684	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.120N	P=0.487N	P=0.076N	P=0.076N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	11/50 (22%)	49/49 (100%)	50/50 (100%)	48/50 (96%)
POLY-3 RATE (b)	11/44.49	49/49.00	50/50.00	48/48.73
POLY-3 PERCENT (g)	24.7%	100%	100%	98.5%
TERMINAL (d)	7/31 (23%)	31/31 (100%)	30/30 (100%)	34/34 (100%)
FIRST INCIDENCE	536	574	310	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	47/49 (96%)	48/50 (96%)	50/50 (100%)
POLY-3 RATE (b)	1/43.14	47/48.65	48/49.29	50/50.00
POLY-3 PERCENT (g)	2.3%	96.6%	97.4%	100%
TERMINAL (d)	1/31 (3%)	30/31 (97%)	29/30 (97%)	34/34 (100%)
FIRST INCIDENCE	730 (T)	574	310	429
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Hyperplasia Basal Cell				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/49 (6%)	29/50 (58%)	48/50 (96%)
POLY-3 RATE (b)	0/43.14	3/44.59	29/44.70	48/49.20
POLY-3 PERCENT (g)	0%	6.7%	64.9%	97.6%
TERMINAL (d)	0/31 (0%)	3/31 (10%)	24/30 (80%)	33/34 (97%)
FIRST INCIDENCE	---	730 (T)	618	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.124	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.122	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.126	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.117	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.043*	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/44.59	1/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	0/34 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.697	(e)	P=0.502	(e)
POLY 1.5	P=0.696	(e)	P=0.501	(e)
POLY 6	P=0.699	(e)	P=0.502	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.393	(e)	P=0.161	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium				
Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/49 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	2/44.59	3/43.50	0/44.02
POLY-3 PERCENT (g)	0%	4.5%	6.9%	0%
TERMINAL (d)	0/31 (0%)	2/31 (7%)	3/30 (10%)	0/34 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.518N	P=0.244	P=0.120	(e)
POLY 1.5	P=0.522N	P=0.241	P=0.120	(e)
POLY 6	P=0.515N	P=0.247	P=0.120	(e)
COCH-ARM / FISHERS	P=0.527N	P=0.242	P=0.121	(e)
MAX-ISO-POLY-3	P=0.234N	P=0.084	P=0.039*	(e)

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium				
Respiratory Metaplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/49 (2%)	2/50 (4%)	19/50 (38%)
POLY-3 RATE (b)	3/43.14	1/44.59	2/43.53	19/45.19
POLY-3 PERCENT (g)	7%	2.2%	4.6%	42%
TERMINAL (d)	3/31 (10%)	1/31 (3%)	1/30 (3%)	15/34 (44%)
FIRST INCIDENCE	730 (T)	730 (T)	724	592
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.293N	P=0.496N	P<0.001**
POLY 1.5	P<0.001**	P=0.300N	P=0.498N	P<0.001**
POLY 6	P<0.001**	P=0.289N	P=0.495N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.316N	P=0.500N	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.150N	P=0.320N	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Olfactory Epithelium Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	0/43.14	1/44.94	4/45.36	3/45.22
POLY-3 PERCENT (g)	0%	2.2%	8.8%	6.6%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	---	631	481	429
STATISTICAL TESTS				
POLY 3	P=0.079	P=0.508	P=0.067	P=0.127
POLY 1.5	P=0.076	P=0.504	P=0.064	P=0.124
POLY 6	P=0.082	P=0.512	P=0.070	P=0.131
COCH-ARM / FISHERS	P=0.073	P=0.495	P=0.059	P=0.121
MAX-ISO-POLY-3	P=0.068	P=0.170	P=0.025*	P=0.045*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	4/50 (8%)	48/49 (98%)	46/50 (92%)	39/50 (78%)
POLY-3 RATE (b)	4/43.72	48/48.89	46/49.55	39/47.72
POLY-3 PERCENT (g)	9.2%	98.2%	92.8%	81.7%
TERMINAL (d)	3/31 (10%)	31/31 (100%)	28/30 (93%)	29/34 (85%)
FIRST INCIDENCE	544	574	310	429
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	7/50 (14%)	31/49 (63%)	41/50 (82%)	50/50 (100%)
POLY-3 RATE (b)	7/44.40	31/45.76	41/46.38	50/50.00
POLY-3 PERCENT (g)	15.8%	67.7%	88.4%	100%
TERMINAL (d)	5/31 (16%)	25/31 (81%)	29/30 (97%)	34/34 (100%)
FIRST INCIDENCE	502	607	481	429
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	5/50 (10%)	39/50 (78%)
POLY-3 RATE (b)	1/43.72	1/44.59	5/43.83	39/48.33
POLY-3 PERCENT (g)	2.3%	2.2%	11.4%	80.7%
TERMINAL (d)	0/31 (0%)	1/31 (3%)	4/30 (13%)	26/34 (77%)
FIRST INCIDENCE	544	730 (T)	639	449
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.756N	P=0.101	P<0.001**
POLY 1.5	P<0.001**	P=0.759N	P=0.101	P<0.001**
POLY 6	P<0.001**	P=0.756N	P=0.100	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.747	P=0.102	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.494N	P=0.044*	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/43.14	0/44.59	1/43.83	4/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	9.1%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	4/34 (12%)
FIRST INCIDENCE	---	---	639	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.005**	(e)	P=0.503	P=0.063
POLY 1.5	P=0.005**	(e)	P=0.502	P=0.062
POLY 6	P=0.005**	(e)	P=0.505	P=0.063
COCH-ARM / FISHERS	P=0.006**	(e)	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.008**	(e)	P=0.162	P=0.021*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	34/50 (68%)
POLY-3 RATE (b)	0/43.14	0/44.59	0/43.50	34/47.86
POLY-3 PERCENT (g)	0%	0%	0%	71%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	24/34 (71%)
FIRST INCIDENCE	---	---	---	449
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Respiratory Epithelium Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	0/43.14	1/44.94	4/45.36	3/45.22
POLY-3 PERCENT (g)	0%	2.2%	8.8%	6.6%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	---	631	481	429
STATISTICAL TESTS				
POLY 3	P=0.079	P=0.508	P=0.067	P=0.127
POLY 1.5	P=0.076	P=0.504	P=0.064	P=0.124
POLY 6	P=0.082	P=0.512	P=0.070	P=0.131
COCH-ARM / FISHERS	P=0.073	P=0.495	P=0.059	P=0.121
MAX-ISO-POLY-3	P=0.068	P=0.170	P=0.025*	P=0.045*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Turbinate Hyperostosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.14	0/44.59	0/43.50	2/44.02
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	2/34 (6%)
FIRST INCIDENCE	---	---	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.045*	(e)	(e)	P=0.242
POLY 1.5	P=0.046*	(e)	(e)	P=0.240
POLY 6	P=0.045*	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	P=0.080

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Nose: Turbinate Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	32/50 (64%)
POLY-3 RATE (b)	0/43.14	0/44.59	0/43.50	32/47.39
POLY-3 PERCENT (g)	0%	0%	0%	67.5%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	23/34 (68%)
FIRST INCIDENCE	---	---	---	449
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Ovary Cyst				
LESION RATES				
OVERALL (a)	7/50 (14%)	5/50 (10%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	7/43.14	5/45.08	4/43.55	4/44.02
POLY-3 PERCENT (g)	16.2%	11.1%	9.2%	9.1%
TERMINAL (d)	7/31 (23%)	5/31 (16%)	3/30 (10%)	4/34 (12%)
FIRST INCIDENCE	730 (T)	730 (T)	719	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.211N	P=0.348N	P=0.254N	P=0.248N
POLY 1.5	P=0.213N	P=0.358N	P=0.257N	P=0.253N
POLY 6	P=0.207N	P=0.343N	P=0.251N	P=0.242N
COCH-ARM / FISHERS	P=0.213N	P=0.380N	P=0.262N	P=0.262N
MAX-ISO-POLY-3	P=0.243N	P=0.246N	P=0.164N	P=0.160N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/43.14	1/45.08	1/44.43	4/44.49
POLY-3 PERCENT (g)	2.3%	2.2%	2.3%	9%
TERMINAL (d)	1/31 (3%)	1/31 (3%)	0/30 (0%)	2/34 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	310	618
STATISTICAL TESTS				
POLY 3	P=0.068	P=0.751N	P=0.754N	P=0.188
POLY 1.5	P=0.068	P=0.754N	P=0.756N	P=0.184
POLY 6	P=0.069	P=0.750N	P=0.753N	P=0.192
COCH-ARM / FISHERS	P=0.067	P=0.753N	P=0.753N	P=0.181
MAX-ISO-POLY-3	P=0.088	P=0.487N	P=0.491N	P=0.092

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.14	1/45.08	1/43.50	1/44.49
POLY-3 PERCENT (g)	0%	2.2%	2.3%	2.3%
TERMINAL (d)	0/31 (0%)	1/31 (3%)	1/30 (3%)	0/34 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	590
STATISTICAL TESTS				
POLY 3	P=0.395	P=0.509	P=0.502	P=0.506
POLY 1.5	P=0.391	P=0.506	P=0.501	P=0.504
POLY 6	P=0.401	P=0.510	P=0.502	P=0.509
COCH-ARM / FISHERS	P=0.384	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.342	P=0.169	P=0.161	P=0.166

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pituitary Gland Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.23	2/45.63	0/43.50	2/44.54
POLY-3 PERCENT (g)	4.6%	4.4%	0%	4.5%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	1/34 (3%)
FIRST INCIDENCE	706	645	---	571
STATISTICAL TESTS				
POLY 3	P=0.554N	P=0.675N	P=0.236N	P=0.683N
POLY 1.5	P=0.555N	P=0.681N	P=0.236N	P=0.687N
POLY 6	P=0.554N	P=0.670N	P=0.236N	P=0.679N
COCH-ARM / FISHERS	P=0.555N	P=0.691N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.443N	P=0.478N	P=0.076N	P=0.487N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	9/50 (18%)	10/50 (20%)	7/50 (14%)	18/50 (36%)
POLY-3 RATE (b)	9/43.87	10/45.45	7/43.52	18/45.67
POLY-3 PERCENT (g)	20.5%	22%	16.1%	39.4%
TERMINAL (d)	7/31 (23%)	7/31 (23%)	6/30 (20%)	15/34 (44%)
FIRST INCIDENCE	502	688	725	449
STATISTICAL TESTS				
POLY 3	P=0.018*	P=0.535	P=0.398N	P=0.039*
POLY 1.5	P=0.018*	P=0.524	P=0.396N	P=0.037*
POLY 6	P=0.019*	P=0.541	P=0.402N	P=0.042*
COCH-ARM / FISHERS	P=0.019*	P=0.500	P=0.393N	P=0.035*
MAX-ISO-POLY-3	P=0.022*	P=0.431	P=0.297N	P=0.025*

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Pleura				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	6/50 (12%)	14/50 (28%)	12/50 (24%)	21/50 (42%)
POLY-3 RATE (b)	6/43.55	14/46.18	12/45.26	21/45.68
POLY-3 PERCENT (g)	13.8%	30.3%	26.5%	46%
TERMINAL (d)	4/31 (13%)	9/31 (29%)	6/30 (20%)	15/34 (44%)
FIRST INCIDENCE	646	640	544	618
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.049*	P=0.108	P<0.001**
POLY 1.5	P<0.001**	P=0.045*	P=0.102	P<0.001**
POLY 6	P<0.001**	P=0.052	P=0.115	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.039*	P=0.096	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.031*	P=0.070	P<0.001**

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/43.14	1/45.24	1/43.68	2/44.02
POLY-3 PERCENT (g)	2.3%	2.2%	2.3%	4.5%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	2/34 (6%)
FIRST INCIDENCE	730 (T)	688	683	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.353	P=0.750N	P=0.758N	P=0.507
POLY 1.5	P=0.352	P=0.753N	P=0.759N	P=0.505
POLY 6	P=0.354	P=0.748N	P=0.757N	P=0.510
COCH-ARM / FISHERS	P=0.351	P=0.753N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.427	P=0.486N	P=0.496N	P=0.288

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	6/50 (12%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	6/44.49	2/45.40	1/43.52	3/44.62
POLY-3 PERCENT (g)	13.5%	4.4%	2.3%	6.7%
TERMINAL (d)	2/31 (7%)	1/31 (3%)	0/30 (0%)	1/34 (3%)
FIRST INCIDENCE	502	640	725	618
STATISTICAL TESTS				
POLY 3	P=0.214N	P=0.126N	P=0.059N	P=0.240N
POLY 1.5	P=0.213N	P=0.128N	P=0.058N	P=0.241N
POLY 6	P=0.213N	P=0.127N	P=0.061N	P=0.240N
COCH-ARM / FISHERS	P=0.211N	P=0.134N	P=0.056N	P=0.243N
MAX-ISO-POLY-3	P=0.069N	P=0.066N	P=0.026N*	P=0.145N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

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First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	7/50 (14%)	3/50 (6%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	7/44.55	3/45.55	4/44.65	3/44.71
POLY-3 PERCENT (g)	15.7%	6.6%	9%	6.7%
TERMINAL (d)	3/31 (10%)	1/31 (3%)	0/30 (0%)	1/34 (3%)
FIRST INCIDENCE	502	646	310	586
STATISTICAL TESTS				
POLY 3	P=0.164N	P=0.148N	P=0.259N	P=0.155N
POLY 1.5	P=0.164N	P=0.150N	P=0.258N	P=0.156N
POLY 6	P=0.163N	P=0.149N	P=0.264N	P=0.155N
COCH-ARM / FISHERS	P=0.163N	P=0.159N	P=0.262N	P=0.159N
MAX-ISO-POLY-3	P=0.116N	P=0.086N	P=0.167N	P=0.089N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Spleen Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.35	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	674	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.312N	P=0.492N	P=0.499N	P=0.497N
POLY 1.5	P=0.310N	P=0.494N	P=0.500N	P=0.498N
POLY 6	P=0.313N	P=0.492N	P=0.500N	P=0.496N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.124N	P=0.158N	P=0.158N	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

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Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Spleen Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.19	0/45.08	1/43.55	0/44.02
POLY-3 PERCENT (g)	2.3%	0%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	716	---	719	---
STATISTICAL TESTS				
POLY 3	P=0.410N	P=0.491N	P=0.759N	P=0.496N
POLY 1.5	P=0.409N	P=0.494N	P=0.760N	P=0.498N
POLY 6	P=0.409N	P=0.491N	P=0.759N	P=0.495N
COCH-ARM / FISHERS	P=0.406N	P=0.500N	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.255N	P=0.158N	P=0.497N	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.313N	P=0.491N	P=0.498N	P=0.496N
POLY 1.5	P=0.311N	P=0.494N	P=0.499N	P=0.497N
POLY 6	P=0.314N	P=0.490N	P=0.498N	P=0.494N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.124N	P=0.158N	P=0.158N	P=0.158N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Forestomach Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.30	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	688	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.118N	P=0.228N	P=0.236N	P=0.233N
POLY 1.5	P=0.117N	P=0.231N	P=0.236N	P=0.235N
POLY 6	P=0.118N	P=0.227N	P=0.236N	P=0.232N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.19	3/45.79	1/43.61	1/44.49
POLY-3 PERCENT (g)	2.3%	6.6%	2.3%	2.3%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)
FIRST INCIDENCE	716	642	702	590
STATISTICAL TESTS				
POLY 3	P=0.433N	P=0.326	P=0.759N	P=0.754N
POLY 1.5	P=0.437N	P=0.319	P=0.759N	P=0.757N
POLY 6	P=0.428N	P=0.333	P=0.758N	P=0.751N
COCH-ARM / FISHERS	P=0.443N	P=0.309	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.457N	P=0.176	P=0.496N	P=0.491N

TDMS No. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Stomach, Glandular Erosion				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.14	0/45.08	0/43.50	0/44.02
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	0/34 (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. 99017 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Diethylamine

CAS Number: 109-89-7

Date Report Requested: 01/13/2010

Time Report Requested: 11:20:13

First Dose M/F: 08/25/03 / 08/25/03

Lab: BNW

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	25/50 (50%)	18/50 (36%)	25/50 (50%)	21/50 (42%)
POLY-3 RATE (b)	25/45.77	18/46.66	25/45.41	21/46.09
POLY-3 PERCENT (g)	54.6%	38.6%	55.1%	45.6%
TERMINAL (d)	16/31 (52%)	12/31 (39%)	17/30 (57%)	16/34 (47%)
FIRST INCIDENCE	502	578	631	571
STATISTICAL TESTS				
POLY 3	P=0.395N	P=0.086N	P=0.568	P=0.252N
POLY 1.5	P=0.397N	P=0.093N	P=0.571	P=0.259N
POLY 6	P=0.387N	P=0.085N	P=0.567	P=0.247N
COCH-ARM / FISHERS	P=0.397N	P=0.113N	P=0.579N	P=0.274N
MAX-ISO-POLY-3	P=0.305N	P=0.059N	P=0.482	P=0.190N

TDMS No. 99017 - 05

Test Type: CHRONIC

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Species/Strain: RATS/F 344/N

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Urinary Bladder: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/43.52	1/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	2.3%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	0/30 (0%)	1/34 (3%)
FIRST INCIDENCE	---	---	725	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.237	(e)	P=0.502	P=0.504
POLY 1.5	P=0.237	(e)	P=0.501	P=0.503
POLY 6	P=0.239	(e)	P=0.502	P=0.506
COCH-ARM / FISHERS	P=0.235	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.261	(e)	P=0.161	P=0.164

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Uterus Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.14	0/45.08	2/43.69	1/44.02
POLY-3 PERCENT (g)	0%	0%	4.6%	2.3%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	1/34 (3%)
FIRST INCIDENCE	---	---	682	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.247	(e)	P=0.240	P=0.504
POLY 1.5	P=0.246	(e)	P=0.239	P=0.503
POLY 6	P=0.249	(e)	P=0.241	P=0.506
COCH-ARM / FISHERS	P=0.245	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.178	(e)	P=0.078	P=0.164

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Uterus				
Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.14	0/45.08	1/43.50	2/44.02
POLY-3 PERCENT (g)	0%	0%	2.3%	4.5%
TERMINAL (d)	0/31 (0%)	0/31 (0%)	1/30 (3%)	2/34 (6%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.070	(e)	P=0.502	P=0.242
POLY 1.5	P=0.070	(e)	P=0.501	P=0.240
POLY 6	P=0.070	(e)	P=0.502	P=0.243
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.083	(e)	P=0.161	P=0.080

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

DOSE	Females			
	CONTROL	31 PPM	62.5 PPM	125 PPM
Uterus: Endometrium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/43.14	1/45.19	1/44.07	2/44.02
POLY-3 PERCENT (g)	2.3%	2.2%	2.3%	4.5%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	0/30 (0%)	2/34 (6%)
FIRST INCIDENCE	730 (T)	702	553	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.353	P=0.750N	P=0.756N	P=0.507
POLY 1.5	P=0.353	P=0.754N	P=0.758N	P=0.505
POLY 6	P=0.355	P=0.749N	P=0.754N	P=0.510
COCH-ARM / FISHERS	P=0.351	P=0.753N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.427	P=0.486N	P=0.493N	P=0.288

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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 ***