

TDMS No. 99027 - 03
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
Time Report Reqsted: 08:39:18
First Dose M/F: 08/12/02 / 08/12/02
Lab: SRI

F1_R2

C Number: C99027
Lock Date: 05/03/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.7.0

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Brain
Clitoral/Preputial Gland
Heart
Islets, Pancreatic
Kidney
Liver
Lung
Ovary
Pancreas
Parathyroid Gland
Pituitary Gland
Salivary Glands
Spleen
Testes
Thyroid Gland

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

MALE RATS

Organ

Clitoral/Preputial Gland
Testes
Thyroid Gland: C-Cell
All Organs

Morphology

Adenoma
Adenoma
Carcinoma or Adenoma
Histiocytic Sarcoma
Benign Tumors
Malignant and Benign Tumors

FEMALE RATS

Organ

Adrenal Medulla
Clitoral/Preputial Gland
Skin

Morphology

Pheochromocytoma Malignant
Adenoma
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous
Histiocytoma
Fibrosarcoma
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.09	0/43.3	1/45.99	1/42.65
POLY-3 PERCENT (g)	0%	0%	2.2%	2.3%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.311	(e)	P=0.489	P=0.444
POLY 3	P=0.361	(e)	P=0.500	P=0.485
POLY 1.5	P=0.370	(e)	P=0.500	P=0.491
POLY 6	P=0.348	(e)	P=0.498	P=0.476
LOGISTIC REGRESSION	(e)	(e)	P=0.489	P=0.444
COCH-ARM / FISHERS	P=0.378	(e)	P=0.500	P=0.500
ORDER RESTRICTED	P=0.236	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.262	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	8/50 (16%)	9/49 (18%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	8/46.88	9/43.34	8/46.12	7/42.9
POLY-3 PERCENT (g)	17.1%	20.8%	17.4%	16.3%
TERMINAL (d)	6/37 (16%)	8/36 (22%)	7/35 (20%)	6/28 (21%)
FIRST INCIDENCE	565	720	696	662

STATISTICAL TESTS

LIFE TABLE	P=0.526	P=0.475	P=0.569	P=0.523
POLY 3	P=0.453N	P=0.429	P=0.594	P=0.574N
POLY 1.5	P=0.422N	P=0.441	P=0.600	P=0.543N
POLY 6	P=0.494N	P=0.413	P=0.581	P=0.608
LOGISTIC REGRESSION	P=0.487N	P=0.444	P=0.607	P=0.560N
COCH-ARM / FISHERS	P=0.387N	P=0.482	P=0.607N	P=0.500N
ORDER RESTRICTED	P=0.591N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.600N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Medulla
 Pheochromocytoma Malignant**

TUMOR RATES

OVERALL (a)	3/50 (6%)	3/49 (6%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	3/46.71	3/44.09	3/46.09	0/42.65
POLY-3 PERCENT (g)	6.4%	6.8%	6.5%	0%
TERMINAL (d)	2/37 (5%)	1/36 (3%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	528	569	704	---

STATISTICAL TESTS

LIFE TABLE	P=0.113N	P=0.650	P=0.639	P=0.159N
POLY 3	P=0.094N	P=0.635	P=0.656	P=0.136N
POLY 1.5	P=0.087N	P=0.637	P=0.659	P=0.129N
POLY 6	P=0.104N	P=0.635	P=0.651	P=0.146N
LOGISTIC REGRESSION	P=0.076N	P=0.630N	P=0.662	P=0.092N
COCH-ARM / FISHERS	P=0.079N	P=0.651	P=0.661N	P=0.121N
ORDER RESTRICTED	P=0.117N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.144N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Adrenal Medulla
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	11/50 (22%)	13/49 (27%)	10/50 (20%)	7/50 (14%)
POLY-3 RATE (b)	11/47.5	13/44.49	10/46.22	7/42.9
POLY-3 PERCENT (g)	23.2%	29.2%	21.6%	16.3%
TERMINAL (d)	8/37 (22%)	9/36 (25%)	8/35 (23%)	6/28 (21%)
FIRST INCIDENCE	528	569	696	662

STATISTICAL TESTS

LIFE TABLE	P=0.279N	P=0.383	P=0.544N	P=0.406N
POLY 3	P=0.159N	P=0.336	P=0.528N	P=0.292N
POLY 1.5	P=0.135N	P=0.343	P=0.515N	P=0.260N
POLY 6	P=0.195N	P=0.329	P=0.548N	P=0.337N
LOGISTIC REGRESSION	P=0.128N	P=0.378	P=0.500N	P=0.238N
COCH-ARM / FISHERS	P=0.110N	P=0.385	P=0.500N	P=0.218N
ORDER RESTRICTED	P=0.210N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.241N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Brain
 Granular Cell Tumor Benign**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/46.09	1/44.19	0/45.99	1/42.65
POLY-3 PERCENT (g)	4.3%	2.3%	0%	2.3%
TERMINAL (d)	2/37 (5%)	1/36 (3%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.688N	P=0.510N	P=0.251N	P=0.597N
POLY 3	P=0.610N	P=0.515N	P=0.238N	P=0.527N
POLY 1.5	P=0.604N	P=0.513N	P=0.237N	P=0.516N
POLY 6	P=0.618N	P=0.518N	P=0.239N	P=0.542N
LOGISTIC REGRESSION	P=0.688N	P=0.510N	(e)	P=0.597N
COCH-ARM / FISHERS	P=0.598N	P=0.500N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.246N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.271N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Clitoral/Preputial Gland
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	1/46.37	1/44.19	7/46.91	4/43.26
POLY-3 PERCENT (g)	2.2%	2.3%	14.9%	9.3%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	5/35 (14%)	2/28 (7%)
FIRST INCIDENCE	653	729 (T)	528	582

STATISTICAL TESTS

LIFE TABLE	P=0.152	P=0.747	P=0.032*	P=0.133
POLY 3	P=0.206	P=0.750	P=0.031*	P=0.158
POLY 1.5	P=0.221	P=0.752	P=0.031*	P=0.167
POLY 6	P=0.188	P=0.747	P=0.031*	P=0.147
LOGISTIC REGRESSION	P=0.243	P=0.763N	P=0.031*	P=0.196
COCH-ARM / FISHERS	P=0.237	P=0.753N	P=0.030*	P=0.181
ORDER RESTRICTED	P=0.046*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.061	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Islets, Pancreatic
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/46.09	3/44.19	1/45.99	3/43.01
POLY-3 PERCENT (g)	2.2%	6.8%	2.2%	7%
TERMINAL (d)	1/37 (3%)	3/36 (8%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	628

STATISTICAL TESTS

LIFE TABLE	P=0.241	P=0.295	P=0.749	P=0.228
POLY 3	P=0.321	P=0.290	P=0.760	P=0.281
POLY 1.5	P=0.332	P=0.293	P=0.760	P=0.291
POLY 6	P=0.307	P=0.287	P=0.759	P=0.268
LOGISTIC REGRESSION	P=0.305	P=0.295	P=0.749	P=0.287
COCH-ARM / FISHERS	P=0.348	P=0.309	P=0.753N	P=0.309
ORDER RESTRICTED	P=0.217	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.241	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Islets, Pancreatic
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/46.09	3/44.19	2/45.99	3/43.01
POLY-3 PERCENT (g)	4.3%	6.8%	4.4%	7%
TERMINAL (d)	2/37 (5%)	3/36 (8%)	2/35 (6%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	628

STATISTICAL TESTS

LIFE TABLE	P=0.364	P=0.487	P=0.675	P=0.392
POLY 3	P=0.463	P=0.481	P=0.693	P=0.469
POLY 1.5	P=0.477	P=0.484	P=0.694	P=0.481
POLY 6	P=0.445	P=0.477	P=0.691	P=0.452
LOGISTIC REGRESSION	P=0.436	P=0.487	P=0.675	P=0.467
COCH-ARM / FISHERS	P=0.494	P=0.500	P=0.691N	P=0.500
ORDER RESTRICTED	P=0.470	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.486	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/46.09	1/44.19	2/45.99	2/42.65
POLY-3 PERCENT (g)	2.2%	2.3%	4.4%	4.7%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	2/35 (6%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.318	P=0.756	P=0.481	P=0.403
POLY 3	P=0.400	P=0.751	P=0.499	P=0.473
POLY 1.5	P=0.414	P=0.752	P=0.500	P=0.484
POLY 6	P=0.383	P=0.749	P=0.497	P=0.458
LOGISTIC REGRESSION	P=0.318	P=0.756	P=0.481	P=0.403
COCH-ARM / FISHERS	P=0.427	P=0.753N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.410	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.430	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.09	1/44.19	1/45.99	1/42.65
POLY-3 PERCENT (g)	0%	2.3%	2.2%	2.3%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.478	P=0.495	P=0.489	P=0.444
POLY 3	P=0.527	P=0.492	P=0.500	P=0.485
POLY 1.5	P=0.538	P=0.493	P=0.500	P=0.491
POLY 6	P=0.512	P=0.490	P=0.498	P=0.476
LOGISTIC REGRESSION (e)		P=0.495	P=0.489	P=0.444
COCH-ARM / FISHERS	P=0.551	P=0.500	P=0.500	P=0.500
ORDER RESTRICTED	P=0.314	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.339	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Lung
 Alveolar/Bronchiolar Carcinoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	2/44.19	1/45.99	0/42.65
POLY-3 PERCENT (g)	0%	4.5%	2.2%	0%
TERMINAL (d)	0/37 (0%)	2/36 (6%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.425N	P=0.232	P=0.489	(e)
POLY 3	P=0.383N	P=0.228	P=0.500	(e)
POLY 1.5	P=0.374N	P=0.229	P=0.500	(e)
POLY 6	P=0.395N	P=0.226	P=0.498	(e)
LOGISTIC REGRESSION	(e)	P=0.232	P=0.489	(e)
COCH-ARM / FISHERS	P=0.360N	P=0.247	P=0.500	(e)
ORDER RESTRICTED	P=0.325	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.351	(e)	(e)	(e)

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DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.09	3/44.19	2/45.99	1/42.65
POLY-3 PERCENT (g)	0%	6.8%	4.4%	2.3%
TERMINAL (d)	0/37 (0%)	3/36 (8%)	2/35 (6%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.634N	P=0.116	P=0.226	P=0.444
POLY 3	P=0.558N	P=0.111	P=0.237	P=0.485
POLY 1.5	P=0.544N	P=0.112	P=0.237	P=0.491
POLY 6	P=0.576N	P=0.109	P=0.235	P=0.476
LOGISTIC REGRESSION (e)		P=0.116	P=0.226	P=0.444
COCH-ARM / FISHERS	P=0.524N	P=0.121	P=0.247	P=0.500
ORDER RESTRICTED	P=0.187	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.213	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Mammary Gland
 Carcinoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	0/44.19	1/45.99	0/42.65
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.809N	(e)	P=0.489	(e)
POLY 3	P=0.772N	(e)	P=0.500	(e)
POLY 1.5	P=0.767N	(e)	P=0.500	(e)
POLY 6	P=0.778N	(e)	P=0.498	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.489	(e)
COCH-ARM / FISHERS	P=0.763N	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.382	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.404	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	0/44.19	1/45.99	0/42.65
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
LIFE TABLE	P=0.809N	(e)	P=0.489	(e)
POLY 3	P=0.772N	(e)	P=0.500	(e)
POLY 1.5	P=0.767N	(e)	P=0.500	(e)
POLY 6	P=0.778N	(e)	P=0.498	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.489	(e)
COCH-ARM / FISHERS	P=0.763N	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.382	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.404	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/46.09	0/44.19	1/46.07	2/42.65
POLY-3 PERCENT (g)	4.3%	0%	2.2%	4.7%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	---	708	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.296	P=0.244N	P=0.528N	P=0.591
POLY 3	P=0.373	P=0.247N	P=0.500N	P=0.666
POLY 1.5	P=0.383	P=0.245N	P=0.500N	P=0.677
POLY 6	P=0.360	P=0.249N	P=0.502N	P=0.650
LOGISTIC REGRESSION	P=0.328	(e)	P=0.506N	P=0.591
COCH-ARM / FISHERS	P=0.390	P=0.247N	P=0.500N	P=0.691N
ORDER RESTRICTED	P=0.383	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.405	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/46.09	0/44.19	1/46.07	2/42.65
POLY-3 PERCENT (g)	4.3%	0%	2.2%	4.7%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	---	708	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.296	P=0.244N	P=0.528N	P=0.591
POLY 3	P=0.373	P=0.247N	P=0.500N	P=0.666
POLY 1.5	P=0.383	P=0.245N	P=0.500N	P=0.677
POLY 6	P=0.360	P=0.249N	P=0.502N	P=0.650
LOGISTIC REGRESSION	P=0.328	(e)	P=0.506N	P=0.591
COCH-ARM / FISHERS	P=0.390	P=0.247N	P=0.500N	P=0.691N
ORDER RESTRICTED	P=0.383	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.405	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Mammary Gland
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/46.09	0/44.19	2/46.07	2/42.65
POLY-3 PERCENT (g)	4.3%	0%	4.3%	4.7%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	---	708	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.338	P=0.244N	P=0.667	P=0.591
POLY 3	P=0.421	P=0.247N	P=0.694	P=0.666
POLY 1.5	P=0.434	P=0.245N	P=0.693N	P=0.677
POLY 6	P=0.405	P=0.249N	P=0.692	P=0.650
LOGISTIC REGRESSION	P=0.371	(e)	P=0.687	P=0.591
COCH-ARM / FISHERS	P=0.443	P=0.247N	P=0.691N	P=0.691N
ORDER RESTRICTED	P=0.415	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.435	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.73	0/44.19	1/45.99	0/42.65
POLY-3 PERCENT (g)	2.1%	0%	2.2%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	516	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.520N	P=0.504N	P=0.754	P=0.508N
POLY 3	P=0.496N	P=0.511N	P=0.757	P=0.518N
POLY 1.5	P=0.490N	P=0.509N	P=0.759	P=0.511N
POLY 6	P=0.504N	P=0.514N	P=0.754	P=0.528N
LOGISTIC REGRESSION	P=0.488N	P=0.379N	P=0.756	P=0.316N
COCH-ARM / FISHERS	P=0.486N	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.269N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.297N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	10/50 (20%)	11/49 (22%)	15/50 (30%)	14/50 (28%)
POLY-3 RATE (b)	10/46.68	11/44.54	15/46.59	14/43.61
POLY-3 PERCENT (g)	21.4%	24.7%	32.2%	32.1%
TERMINAL (d)	8/37 (22%)	9/36 (25%)	13/35 (37%)	10/28 (36%)
FIRST INCIDENCE	565	564	618	622

STATISTICAL TESTS

LIFE TABLE	P=0.078	P=0.474	P=0.145	P=0.086
POLY 3	P=0.207	P=0.451	P=0.172	P=0.180
POLY 1.5	P=0.239	P=0.450	P=0.175	P=0.204
POLY 6	P=0.172	P=0.452	P=0.167	P=0.154
LOGISTIC REGRESSION	P=0.210	P=0.454	P=0.175	P=0.173
COCH-ARM / FISHERS	P=0.277	P=0.479	P=0.178	P=0.241
ORDER RESTRICTED	P=0.198	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.223	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Carcinoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	0/43.58	0/45.99	0/42.65
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	10/50 (20%)	11/49 (22%)	15/50 (30%)	14/50 (28%)
POLY-3 RATE (b)	10/46.68	11/44.54	15/46.59	14/43.61
POLY-3 PERCENT (g)	21.4%	24.7%	32.2%	32.1%
TERMINAL (d)	8/37 (22%)	9/36 (25%)	13/35 (37%)	10/28 (36%)
FIRST INCIDENCE	565	564	618	622

STATISTICAL TESTS

LIFE TABLE	P=0.078	P=0.474	P=0.145	P=0.086
POLY 3	P=0.207	P=0.451	P=0.172	P=0.180
POLY 1.5	P=0.239	P=0.450	P=0.175	P=0.204
POLY 6	P=0.172	P=0.452	P=0.167	P=0.154
LOGISTIC REGRESSION	P=0.210	P=0.454	P=0.175	P=0.173
COCH-ARM / FISHERS	P=0.277	P=0.479	P=0.178	P=0.241
ORDER RESTRICTED	P=0.198	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.223	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Basal Cell Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.21	0/44.19	0/45.99	2/42.65
POLY-3 PERCENT (g)	2.2%	0%	0%	4.7%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	698	---	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.121	P=0.520N	P=0.510N	P=0.415
POLY 3	P=0.160	P=0.509N	P=0.501N	P=0.472
POLY 1.5	P=0.164	P=0.508N	P=0.500N	P=0.484
POLY 6	P=0.154	P=0.511N	P=0.503N	P=0.456
LOGISTIC REGRESSION	P=0.143	P=0.502N	P=0.500N	P=0.453
COCH-ARM / FISHERS	P=0.168	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.112	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.136	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Skin
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.21	0/44.19	0/45.99	2/42.65
POLY-3 PERCENT (g)	2.2%	0%	0%	4.7%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	698	---	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.121	P=0.520N	P=0.510N	P=0.415
POLY 3	P=0.160	P=0.509N	P=0.501N	P=0.472
POLY 1.5	P=0.164	P=0.508N	P=0.500N	P=0.484
POLY 6	P=0.154	P=0.511N	P=0.503N	P=0.456
LOGISTIC REGRESSION	P=0.143	P=0.502N	P=0.500N	P=0.453
COCH-ARM / FISHERS	P=0.168	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.112	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.136	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Skin
 Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.21	1/44.19	0/45.99	2/42.65
POLY-3 PERCENT (g)	2.2%	2.3%	0%	4.7%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/35 (0%)	2/28 (7%)
FIRST INCIDENCE	698	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.236	P=0.746	P=0.510N	P=0.415
POLY 3	P=0.293	P=0.751	P=0.501N	P=0.472
POLY 1.5	P=0.301	P=0.752	P=0.500N	P=0.484
POLY 6	P=0.282	P=0.748	P=0.503N	P=0.456
LOGISTIC REGRESSION	P=0.267	P=0.754	P=0.500N	P=0.453
COCH-ARM / FISHERS	P=0.309	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.244	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.270	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	4/46.21	5/44.4	3/46.11	3/42.85
POLY-3 PERCENT (g)	8.7%	11.3%	6.5%	7%
TERMINAL (d)	3/37 (8%)	4/36 (11%)	2/35 (6%)	2/28 (7%)
FIRST INCIDENCE	698	674	698	676

STATISTICAL TESTS

LIFE TABLE	P=0.525N	P=0.475	P=0.529N	P=0.629N
POLY 3	P=0.422N	P=0.475	P=0.501N	P=0.541N
POLY 1.5	P=0.404N	P=0.478	P=0.500N	P=0.524N
POLY 6	P=0.444N	P=0.470	P=0.505N	P=0.564N
LOGISTIC REGRESSION	P=0.443N	P=0.468	P=0.506N	P=0.566N
COCH-ARM / FISHERS	P=0.383N	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.469N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.485N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	3/50 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	4/46.09	3/44.55	2/46.29	4/43.22
POLY-3 PERCENT (g)	8.7%	6.7%	4.3%	9.3%
TERMINAL (d)	4/37 (11%)	2/36 (6%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	628	646	628
STATISTICAL TESTS				
LIFE TABLE	P=0.352	P=0.518N	P=0.359N	P=0.505
POLY 3	P=0.445	P=0.518N	P=0.335N	P=0.608
POLY 1.5	P=0.459	P=0.517N	P=0.336N	P=0.622
POLY 6	P=0.428	P=0.520N	P=0.336N	P=0.590
LOGISTIC REGRESSION	P=0.460	P=0.523N	P=0.338N	P=0.602
COCH-ARM / FISHERS	P=0.475	P=0.500N	P=0.339N	P=0.643N
ORDER RESTRICTED	P=0.498	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.510	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	4/50 (8%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	4/46.09	4/44.55	2/46.29	4/43.22
POLY-3 PERCENT (g)	8.7%	9%	4.3%	9.3%
TERMINAL (d)	4/37 (11%)	3/36 (8%)	1/35 (3%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	628	646	628

STATISTICAL TESTS

LIFE TABLE	P=0.418	P=0.625	P=0.359N	P=0.505
POLY 3	P=0.517	P=0.625	P=0.335N	P=0.608
POLY 1.5	P=0.532	P=0.625	P=0.336N	P=0.622
POLY 6	P=0.498	P=0.623	P=0.336N	P=0.590
LOGISTIC REGRESSION	P=0.530	P=0.619	P=0.338N	P=0.602
COCH-ARM / FISHERS	P=0.549	P=0.643N	P=0.339N	P=0.643N
ORDER RESTRICTED	P=0.559N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.568N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	0/44.19	0/45.99	0/42.65
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	1/44.19	0/45.99	0/42.65
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.674N	P=0.495	(e)	(e)
POLY 3	P=0.638N	P=0.492	(e)	(e)
POLY 1.5	P=0.635N	P=0.493	(e)	(e)
POLY 6	P=0.641N	P=0.490	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.495	(e)	(e)
COCH-ARM / FISHERS	P=0.626N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.389N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.409N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/46.09	2/44.19	2/45.99	1/42.85
POLY-3 PERCENT (g)	6.5%	4.5%	4.4%	2.3%
TERMINAL (d)	3/37 (8%)	2/36 (6%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	676

STATISTICAL TESTS

LIFE TABLE	P=0.392N	P=0.513N	P=0.526N	P=0.395N
POLY 3	P=0.318N	P=0.519N	P=0.501N	P=0.332N
POLY 1.5	P=0.308N	P=0.516N	P=0.500N	P=0.321N
POLY 6	P=0.331N	P=0.523N	P=0.504N	P=0.346N
LOGISTIC REGRESSION	P=0.348N	P=0.513N	P=0.526N	P=0.344N
COCH-ARM / FISHERS	P=0.297N	P=0.500N	P=0.500N	P=0.309N
ORDER RESTRICTED	P=0.274N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.299N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	2/44.4	1/46.11	0/42.65
POLY-3 PERCENT (g)	0%	4.5%	2.2%	0%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	674	698	---

STATISTICAL TESTS

LIFE TABLE	P=0.401N	P=0.229	P=0.490	(e)
POLY 3	P=0.383N	P=0.229	P=0.500	(e)
POLY 1.5	P=0.374N	P=0.230	P=0.500	(e)
POLY 6	P=0.395N	P=0.228	P=0.499	(e)
LOGISTIC REGRESSION	P=0.363N	P=0.233	P=0.500	(e)
COCH-ARM / FISHERS	P=0.360N	P=0.247	P=0.500	(e)
ORDER RESTRICTED	P=0.326	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.352	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/46.09	4/44.4	3/46.11	1/42.85
POLY-3 PERCENT (g)	6.5%	9%	6.5%	2.3%
TERMINAL (d)	3/37 (8%)	3/36 (8%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	674	698	676

STATISTICAL TESTS

LIFE TABLE	P=0.246N	P=0.482	P=0.637	P=0.395N
POLY 3	P=0.192N	P=0.480	P=0.662N	P=0.332N
POLY 1.5	P=0.182N	P=0.482	P=0.661N	P=0.321N
POLY 6	P=0.206N	P=0.477	P=0.661	P=0.346N
LOGISTIC REGRESSION	P=0.196N	P=0.470	P=0.653	P=0.344N
COCH-ARM / FISHERS	P=0.169N	P=0.500	P=0.661N	P=0.309N
ORDER RESTRICTED	P=0.231N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.256N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/46.09	4/44.4	3/46.11	1/42.85
POLY-3 PERCENT (g)	6.5%	9%	6.5%	2.3%
TERMINAL (d)	3/37 (8%)	3/36 (8%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	674	698	676

STATISTICAL TESTS

LIFE TABLE	P=0.246N	P=0.482	P=0.637	P=0.395N
POLY 3	P=0.192N	P=0.480	P=0.662N	P=0.332N
POLY 1.5	P=0.182N	P=0.482	P=0.661N	P=0.321N
POLY 6	P=0.206N	P=0.477	P=0.661	P=0.346N
LOGISTIC REGRESSION	P=0.196N	P=0.470	P=0.653	P=0.344N
COCH-ARM / FISHERS	P=0.169N	P=0.500	P=0.661N	P=0.309N
ORDER RESTRICTED	P=0.231N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.256N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Testes
 Adenoma

TUMOR RATES

OVERALL (a)	46/50 (92%)	45/50 (90%)	41/50 (82%)	39/50 (78%)
POLY-3 RATE (b)	46/48.52	45/47.48	41/47.65	39/46.45
POLY-3 PERCENT (g)	94.8%	94.8%	86%	84%
TERMINAL (d)	36/37 (97%)	34/36 (94%)	32/35 (91%)	25/28 (89%)
FIRST INCIDENCE	486	569	618	509

STATISTICAL TESTS

LIFE TABLE	P=0.257	P=0.534	P=0.369N	P=0.325
POLY 3	P=0.040N*	P=0.690N	P=0.108N	P=0.060N
POLY 1.5	P=0.030N*	P=0.641	P=0.110N	P=0.053N
POLY 6	P=0.061N	P=0.625N	P=0.111N	P=0.072N
LOGISTIC REGRESSION	P=0.097N	P=0.607	P=0.073N	P=0.113N
COCH-ARM / FISHERS	P=0.037N*	P=0.500N	P=0.117N	P=0.045N*
ORDER RESTRICTED	P=0.038N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.049N*	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: C-Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	5/50 (10%)	6/50 (12%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	5/46.67	6/44.19	1/45.99	2/42.65
POLY-3 PERCENT (g)	10.7%	13.6%	2.2%	4.7%
TERMINAL (d)	3/37 (8%)	6/36 (17%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	639	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.243N	P=0.473	P=0.117N	P=0.323N
POLY 3	P=0.175N	P=0.462	P=0.105N	P=0.254N
POLY 1.5	P=0.164N	P=0.470	P=0.103N	P=0.238N
POLY 6	P=0.189N	P=0.448	P=0.108N	P=0.278N
LOGISTIC REGRESSION	P=0.184N	P=0.471	P=0.103N	P=0.238N
COCH-ARM / FISHERS	P=0.153N	P=0.500	P=0.102N	P=0.218N
ORDER RESTRICTED	P=0.093N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.116N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: C-Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	4/50 (8%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/46.14	1/44.55	1/45.99	2/42.65
POLY-3 PERCENT (g)	8.7%	2.2%	2.2%	4.7%
TERMINAL (d)	3/37 (8%)	0/36 (0%)	1/35 (3%)	2/28 (7%)
FIRST INCIDENCE	715	628	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.624	P=0.197N	P=0.203N	P=0.472N
POLY 3	P=0.578N	P=0.189N	P=0.180N	P=0.374N
POLY 1.5	P=0.566N	P=0.189N	P=0.179N	P=0.359N
POLY 6	P=0.592N	P=0.191N	P=0.182N	P=0.396N
LOGISTIC REGRESSION	P=0.595N	P=0.187N	P=0.191N	P=0.443N
COCH-ARM / FISHERS	P=0.557N	P=0.181N	P=0.181N	P=0.339N
ORDER RESTRICTED	P=0.155N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.179N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: C-Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	9/50 (18%)	7/50 (14%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	9/46.73	7/44.55	2/45.99	4/42.65
POLY-3 PERCENT (g)	19.3%	15.7%	4.4%	9.4%
TERMINAL (d)	6/37 (16%)	6/36 (17%)	2/35 (6%)	4/28 (14%)
FIRST INCIDENCE	639	628	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.298N	P=0.429N	P=0.037N*	P=0.244N
POLY 3	P=0.194N	P=0.433N	P=0.027N*	P=0.153N
POLY 1.5	P=0.179N	P=0.426N	P=0.026N*	P=0.136N
POLY 6	P=0.214N	P=0.445N	P=0.028N*	P=0.179N
LOGISTIC REGRESSION	P=0.208N	P=0.423N	P=0.028N*	P=0.160N
COCH-ARM / FISHERS	P=0.166N	P=0.393N	P=0.026N*	P=0.117N
ORDER RESTRICTED	P=0.051N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.069N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: Follicular Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.09	1/44.5	0/45.99	0/42.65
POLY-3 PERCENT (g)	4.3%	2.3%	0%	0%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	642	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.279N	P=0.514N	P=0.251N	P=0.301N
POLY 3	P=0.249N	P=0.512N	P=0.238N	P=0.255N
POLY 1.5	P=0.245N	P=0.511N	P=0.237N	P=0.247N
POLY 6	P=0.254N	P=0.513N	P=0.239N	P=0.265N
LOGISTIC REGRESSION	P=0.243N	P=0.505N	(e)	(e)
COCH-ARM / FISHERS	P=0.241N	P=0.500N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.084N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.105N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: Follicular Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.09	1/44.5	0/45.99	0/42.65
POLY-3 PERCENT (g)	4.3%	2.3%	0%	0%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	642	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.279N	P=0.514N	P=0.251N	P=0.301N
POLY 3	P=0.249N	P=0.512N	P=0.238N	P=0.255N
POLY 1.5	P=0.245N	P=0.511N	P=0.237N	P=0.247N
POLY 6	P=0.254N	P=0.513N	P=0.239N	P=0.265N
LOGISTIC REGRESSION	P=0.243N	P=0.505N	(e)	(e)
COCH-ARM / FISHERS	P=0.241N	P=0.500N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.084N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.105N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/46.73	0/44.19	1/46.07	0/42.65
POLY-3 PERCENT (g)	4.3%	0%	2.2%	0%
TERMINAL (d)	1/37 (3%)	0/36 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	516	---	708	---
STATISTICAL TESTS				
LIFE TABLE	P=0.358N	P=0.245N	P=0.521N	P=0.275N
POLY 3	P=0.326N	P=0.250N	P=0.505N	P=0.258N
POLY 1.5	P=0.320N	P=0.247N	P=0.503N	P=0.249N
POLY 6	P=0.333N	P=0.253N	P=0.509N	P=0.270N
LOGISTIC REGRESSION	P=0.314N	P=0.184N	P=0.512N	P=0.163N
COCH-ARM / FISHERS	P=0.318N	P=0.247N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.087N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.110N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/46.73	1/44.19	1/46.07	1/42.65
POLY-3 PERCENT (g)	4.3%	2.3%	2.2%	2.3%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	516	729 (T)	708	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.618N	P=0.509N	P=0.521N	P=0.569N
POLY 3	P=0.559N	P=0.519N	P=0.505N	P=0.532N
POLY 1.5	P=0.549N	P=0.516N	P=0.503N	P=0.519N
POLY 6	P=0.571N	P=0.525N	P=0.509N	P=0.549N
LOGISTIC REGRESSION	P=0.534N	P=0.466N	P=0.512N	P=0.445N
COCH-ARM / FISHERS	P=0.540N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.450N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.469N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.09	0/44.19	0/45.99	2/42.66
POLY-3 PERCENT (g)	0%	0%	0%	4.7%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/35 (0%)	1/28 (4%)
FIRST INCIDENCE	---	---	---	725

STATISTICAL TESTS

LIFE TABLE	P=0.025*	(e)	(e)	P=0.184
POLY 3	P=0.039*	(e)	(e)	P=0.220
POLY 1.5	P=0.040*	(e)	(e)	P=0.227
POLY 6	P=0.037*	(e)	(e)	P=0.211
LOGISTIC REGRESSION	P=0.027*	(e)	(e)	P=0.187
COCH-ARM / FISHERS	P=0.043*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.025*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated

TUMOR RATES	#	#	#	#
OVERALL (a)	19/50 (38%)	16/50 (32%)	22/50 (44%)	16/50 (32%)
POLY-3 RATE (b)	19/48.08	16/46.91	22/47.72	16/45.61
POLY-3 PERCENT (g)	39.5%	34.1%	46.1%	35.1%
TERMINAL (d)	12/37 (32%)	8/36 (22%)	12/35 (34%)	7/28 (25%)
FIRST INCIDENCE	486	195	618	360

STATISTICAL TESTS

LIFE TABLE	P=0.453	P=0.404N	P=0.300	P=0.512
POLY 3	P=0.403N	P=0.369N	P=0.328	P=0.409N
POLY 1.5	P=0.365N	P=0.366N	P=0.333	P=0.377N
POLY 6	P=0.458N	P=0.375N	P=0.326	P=0.456N
LOGISTIC REGRESSION	P=0.311N	P=0.300N	P=0.342	P=0.273N
COCH-ARM / FISHERS	P=0.333N	P=0.338N	P=0.342	P=0.338N
ORDER RESTRICTED	P=0.498N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.510N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Mesothelioma: Benign

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/46.09	0/44.19	2/46.1	0/42.65
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	701	---

STATISTICAL TESTS

LIFE TABLE	P=0.677N	(e)	P=0.228	(e)
POLY 3	P=0.642N	(e)	P=0.237	(e)
POLY 1.5	P=0.633N	(e)	P=0.238	(e)
POLY 6	P=0.655N	(e)	P=0.236	(e)
LOGISTIC REGRESSION	P=0.645N	(e)	P=0.237	(e)
COCH-ARM / FISHERS	P=0.624N	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.247	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.273	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Mesothelioma: Benign, Malignant, NOS

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/46.09	3/44.22	3/46.1	2/43.04
POLY-3 PERCENT (g)	2.2%	6.8%	6.5%	4.7%
TERMINAL (d)	1/37 (3%)	2/36 (6%)	2/35 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	720	701	622

STATISTICAL TESTS

LIFE TABLE	P=0.552	P=0.299	P=0.288	P=0.432
POLY 3	P=0.622	P=0.291	P=0.305	P=0.476
POLY 1.5	P=0.626N	P=0.293	P=0.306	P=0.486
POLY 6	P=0.604	P=0.287	P=0.303	P=0.463
LOGISTIC REGRESSION	P=0.625	P=0.281	P=0.299	P=0.503
COCH-ARM / FISHERS	P=0.609N	P=0.309	P=0.309	P=0.500
ORDER RESTRICTED	P=0.327	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.351	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Mesothelioma: Malignant**

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/46.09	3/44.22	1/45.99	2/43.04
POLY-3 PERCENT (g)	2.2%	6.8%	2.2%	4.7%
TERMINAL (d)	1/37 (3%)	2/36 (6%)	1/35 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	720	729 (T)	622

STATISTICAL TESTS

LIFE TABLE	P=0.500	P=0.299	P=0.749	P=0.432
POLY 3	P=0.566	P=0.291	P=0.760	P=0.476
POLY 1.5	P=0.578	P=0.293	P=0.760	P=0.486
POLY 6	P=0.552	P=0.287	P=0.759	P=0.463
LOGISTIC REGRESSION	P=0.568	P=0.281	P=0.749	P=0.503
COCH-ARM / FISHERS	P=0.594	P=0.309	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.437	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.454	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	49/50 (98%)	48/50 (96%)	46/50 (92%)	46/50 (92%)
POLY-3 RATE (b)	49/49.38	48/48.02	46/48.48	46/47.67
POLY-3 PERCENT (g)	99.2%	100%	94.9%	96.5%
TERMINAL (d)	37/37 (100%)	36/36 (100%)	35/35 (100%)	28/28 (100%)
FIRST INCIDENCE	486	564	528	509

STATISTICAL TESTS

LIFE TABLE	P=0.044*	P=0.527	P=0.541N	P=0.091
POLY 3	P=0.293N	P=0.954	P=0.207N	P=0.382N
POLY 1.5	P=0.199N	P=0.807	P=0.187N	P=0.274N
POLY 6	P=0.434N	P=1.000	P=0.266N	P=0.544N
LOGISTIC REGRESSION	P=0.405N	P=0.846	P=0.114N	P=0.390N
COCH-ARM / FISHERS	P=0.206N	P=0.500N	P=0.181N	P=0.181N
ORDER RESTRICTED	P=0.086N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.101N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
All Organs				
Malignant Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	27/50 (54%)	25/50 (50%)	27/50 (54%)	23/50 (46%)
POLY-3 RATE (b)	27/49.34	25/48.04	27/48.23	23/47.03
POLY-3 PERCENT (g)	54.7%	52%	56%	48.9%
TERMINAL (d)	18/37 (49%)	14/36 (39%)	16/35 (46%)	10/28 (36%)
FIRST INCIDENCE	486	195	575	360
STATISTICAL TESTS				
LIFE TABLE	P=0.426	P=0.495N	P=0.483	P=0.478
POLY 3	P=0.331N	P=0.475N	P=0.531	P=0.356N
POLY 1.5	P=0.293N	P=0.471N	P=0.548	P=0.320N
POLY 6	P=0.388N	P=0.474N	P=0.520	P=0.406N
LOGISTIC REGRESSION	P=0.224N	P=0.372N	P=0.580N	P=0.171N
COCH-ARM / FISHERS	P=0.263N	P=0.421N	P=0.579N	P=0.274N
ORDER RESTRICTED	P=0.451N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.465N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	50/50 (100%)	49/50 (98%)	49/50 (98%)	49/50 (98%)
POLY-3 RATE (b)	50/50	49/49	49/49.27	49/49.38
POLY-3 PERCENT (g)	100%	100%	99.5%	99.2%
TERMINAL (d)	37/37 (100%)	36/36 (100%)	35/35 (100%)	28/28 (100%)
FIRST INCIDENCE	486	195	528	360

STATISTICAL TESTS

LIFE TABLE	P=0.023*	P=0.526	P=0.465	P=0.052
POLY 3	P=0.810N	P=1.000N	P=0.996N	P=0.947N
POLY 1.5	P=0.545N	P=1.000N	P=0.819N	P=0.731N
POLY 6	P=1.000N	P=1.000N	P=1.000N	P=1.000N
LOGISTIC REGRESSION	P=0.421N	(e)	(e)	P=0.668N
COCH-ARM / FISHERS	P=0.551N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.195N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.209N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.34	0/45.63	1/44.62	0/47.08
POLY-3 PERCENT (g)	4.4%	0%	2.2%	0%
TERMINAL (d)	2/36 (6%)	0/35 (0%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.292N	P=0.244N	P=0.500N	P=0.215N
POLY 3	P=0.309N	P=0.236N	P=0.506N	P=0.229N
POLY 1.5	P=0.313N	P=0.236N	P=0.503N	P=0.232N
POLY 6	P=0.304N	P=0.238N	P=0.510N	P=0.227N
LOGISTIC REGRESSION	P=0.292N	(e)	P=0.500N	(e)
COCH-ARM / FISHERS	P=0.318N	P=0.247N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.068N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.082N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	1/50 (2%)	3/49 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/45.34	3/45.05	2/44.62	1/47.08
POLY-3 PERCENT (g)	2.2%	6.7%	4.5%	2.1%
TERMINAL (d)	1/36 (3%)	3/35 (9%)	2/36 (6%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.357N	P=0.295	P=0.500	P=0.738N
POLY 3	P=0.386N	P=0.303	P=0.494	P=0.752N
POLY 1.5	P=0.392N	P=0.302	P=0.497	P=0.755N
POLY 6	P=0.380N	P=0.301	P=0.490	P=0.750N
LOGISTIC REGRESSION	P=0.357N	P=0.295	P=0.500	P=0.738N
COCH-ARM / FISHERS	P=0.403N	P=0.301	P=0.500	P=0.753N
ORDER RESTRICTED	P=0.446N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.459N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Medulla
 Pheochromocytoma Malignant**

TUMOR RATES

OVERALL (a)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.34	0/45.05	0/44.62	0/47.08
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	2/36 (6%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.328N	P=0.244N	P=0.238N	P=0.215N
POLY 3	P=0.343N	P=0.239N	P=0.241N	P=0.229N
POLY 1.5	P=0.346N	P=0.239N	P=0.239N	P=0.232N
POLY 6	P=0.340N	P=0.239N	P=0.243N	P=0.227N
LOGISTIC REGRESSION	P=0.328N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.348N	P=0.253N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.027N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.036N*	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Adrenal Medulla
 Pheochromocytoma: Benign, Complex, Malignant, NOS**

TUMOR RATES

OVERALL (a)	3/50 (6%)	3/49 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/45.34	3/45.05	2/44.62	1/47.08
POLY-3 PERCENT (g)	6.6%	6.7%	4.5%	2.1%
TERMINAL (d)	3/36 (8%)	3/35 (9%)	2/36 (6%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.192N	P=0.651	P=0.500N	P=0.268N
POLY 3	P=0.216N	P=0.659	P=0.507N	P=0.292N
POLY 1.5	P=0.222N	P=0.658	P=0.504N	P=0.296N
POLY 6	P=0.211N	P=0.658	P=0.513N	P=0.288N
LOGISTIC REGRESSION	P=0.192N	P=0.651	P=0.500N	P=0.268N
COCH-ARM / FISHERS	P=0.229N	P=0.651	P=0.500N	P=0.309N
ORDER RESTRICTED	P=0.250N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.269N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Brain
 Granular Cell Tumor Benign**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	1/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.741N	(e)	P=0.500	(e)
POLY 3	P=0.757N	(e)	P=0.497	(e)
POLY 1.5	P=0.759N	(e)	P=0.498	(e)
POLY 6	P=0.755N	(e)	P=0.494	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.763N	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.379	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.395	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Clitoral/Preputial Gland
 Adenoma**

TUMOR RATES

OVERALL (a)	10/50 (20%)	2/50 (4%)	8/50 (16%)	11/50 (22%)
POLY-3 RATE (b)	10/45.58	2/45.75	8/45.15	11/47.08
POLY-3 PERCENT (g)	21.9%	4.4%	17.7%	23.4%
TERMINAL (d)	9/36 (25%)	1/35 (3%)	6/36 (17%)	11/40 (28%)
FIRST INCIDENCE	666	698	647	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.165	P=0.018N*	P=0.405N	P=0.592N
POLY 3	P=0.109	P=0.013N*	P=0.405N	P=0.534
POLY 1.5	P=0.104	P=0.013N*	P=0.401N	P=0.523
POLY 6	P=0.115	P=0.013N*	P=0.410N	P=0.540
LOGISTIC REGRESSION	P=0.131	P=0.016N*	P=0.419N	P=0.563
COCH-ARM / FISHERS	P=0.099	P=0.014N*	P=0.398N	P=0.500
ORDER RESTRICTED	P=0.139	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.156	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Islets, Pancreatic
 Adenoma**

TUMOR RATES

OVERALL (a)	2/49 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.34	1/45.93	0/44.62	0/47.08
POLY-3 PERCENT (g)	4.5%	2.2%	0%	0%
TERMINAL (d)	2/35 (6%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	647	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.227N	P=0.497N	P=0.232N	P=0.209N
POLY 3	P=0.233N	P=0.488N	P=0.236N	P=0.224N
POLY 1.5	P=0.235N	P=0.489N	P=0.234N	P=0.227N
POLY 6	P=0.229N	P=0.489N	P=0.238N	P=0.221N
LOGISTIC REGRESSION	P=0.239N	P=0.493N	(e)	(e)
COCH-ARM / FISHERS	P=0.239N	P=0.492N	P=0.242N	P=0.242N
ORDER RESTRICTED	P=0.066N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.080N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Islets, Pancreatic
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	2/49 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.34	1/45.93	0/44.62	0/47.08
POLY-3 PERCENT (g)	4.5%	2.2%	0%	0%
TERMINAL (d)	2/35 (6%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	647	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.227N	P=0.497N	P=0.232N	P=0.209N
POLY 3	P=0.233N	P=0.488N	P=0.236N	P=0.224N
POLY 1.5	P=0.235N	P=0.489N	P=0.234N	P=0.227N
POLY 6	P=0.229N	P=0.489N	P=0.238N	P=0.221N
LOGISTIC REGRESSION	P=0.239N	P=0.493N	(e)	(e)
COCH-ARM / FISHERS	P=0.239N	P=0.492N	P=0.242N	P=0.242N
ORDER RESTRICTED	P=0.066N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.080N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.34	2/45.87	1/44.62	0/47.08
POLY-3 PERCENT (g)	4.4%	4.4%	2.2%	0%
TERMINAL (d)	2/36 (6%)	1/35 (3%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	666	729 (T)	---
STATISTICAL TESTS				
LIFE TABLE	P=0.148N	P=0.686	P=0.500N	P=0.215N
POLY 3	P=0.158N	P=0.690N	P=0.506N	P=0.229N
POLY 1.5	P=0.161N	P=0.690N	P=0.503N	P=0.232N
POLY 6	P=0.154N	P=0.692N	P=0.510N	P=0.227N
LOGISTIC REGRESSION	P=0.157N	P=0.694N	P=0.500N	(e)
COCH-ARM / FISHERS	P=0.165N	P=0.691N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.149N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.167N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Lung
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.34	2/45.63	0/44.62	1/47.08
POLY-3 PERCENT (g)	2.2%	4.4%	0%	2.1%
TERMINAL (d)	1/36 (3%)	2/35 (6%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.576N	P=0.490	P=0.500N	P=0.738N
POLY 3	P=0.605N	P=0.502	P=0.503N	P=0.752N
POLY 1.5	P=0.610N	P=0.503	P=0.502N	P=0.755N
POLY 6	P=0.601N	P=0.499	P=0.506N	P=0.750N
LOGISTIC REGRESSION	P=0.576N	P=0.490	(e)	P=0.738N
COCH-ARM / FISHERS	P=0.618N	P=0.500	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.373N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.389N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Lung
 Alveolar/Bronchiolar Carcinoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	1/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.741N	(e)	P=0.500	(e)
POLY 3	P=0.757N	(e)	P=0.497	(e)
POLY 1.5	P=0.759N	(e)	P=0.498	(e)
POLY 6	P=0.755N	(e)	P=0.494	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.763N	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.379	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.395	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.34	2/45.63	1/44.62	1/47.08
POLY-3 PERCENT (g)	2.2%	4.4%	2.2%	2.1%
TERMINAL (d)	1/36 (3%)	2/35 (6%)	1/36 (3%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.512N	P=0.490	P=0.762	P=0.738N
POLY 3	P=0.543N	P=0.502	P=0.757	P=0.752N
POLY 1.5	P=0.548N	P=0.503	P=0.759	P=0.755N
POLY 6	P=0.537N	P=0.499	P=0.755	P=0.750N
LOGISTIC REGRESSION	P=0.512N	P=0.490	P=0.762	P=0.738N
COCH-ARM / FISHERS	P=0.558N	P=0.500	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.573N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.579N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.34	0/45.63	1/44.71	2/47.08
POLY-3 PERCENT (g)	0%	0%	2.2%	4.3%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	---	---	708	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.130	(e)	P=0.495	P=0.262
POLY 3	P=0.112	(e)	P=0.497	P=0.246
POLY 1.5	P=0.110	(e)	P=0.499	P=0.243
POLY 6	P=0.114	(e)	P=0.495	P=0.248
LOGISTIC REGRESSION	P=0.119	(e)	P=0.498	P=0.262
COCH-ARM / FISHERS	P=0.106	(e)	P=0.500	P=0.247
ORDER RESTRICTED	P=0.079	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.093	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/45.34	1/45.87	2/44.71	3/47.08
POLY-3 PERCENT (g)	2.2%	2.2%	4.5%	6.4%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	1/36 (3%)	3/40 (8%)
FIRST INCIDENCE	729 (T)	666	708	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.249	P=0.757	P=0.497	P=0.343
POLY 3	P=0.218	P=0.758N	P=0.495	P=0.319
POLY 1.5	P=0.213	P=0.758N	P=0.498	P=0.315
POLY 6	P=0.222	P=0.759N	P=0.492	P=0.323
LOGISTIC REGRESSION	P=0.222	P=0.762	P=0.488	P=0.343
COCH-ARM / FISHERS	P=0.204	P=0.753N	P=0.500	P=0.309
ORDER RESTRICTED	P=0.233	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.251	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	29/50 (58%)	30/50 (60%)	32/50 (64%)	31/50 (62%)
POLY-3 RATE (b)	29/46.8	30/48.02	32/46.64	31/48.2
POLY-3 PERCENT (g)	62%	62.5%	68.6%	64.3%
TERMINAL (d)	22/36 (61%)	21/35 (60%)	26/36 (72%)	26/40 (65%)
FIRST INCIDENCE	579	608	600	603
STATISTICAL TESTS				
LIFE TABLE	P=0.377N	P=0.454	P=0.342	P=0.510N
POLY 3	P=0.507	P=0.564	P=0.321	P=0.490
POLY 1.5	P=0.489	P=0.543	P=0.331	P=0.469
POLY 6	P=0.514	P=0.582	P=0.307	P=0.501
LOGISTIC REGRESSION	P=0.552	P=0.523	P=0.299	P=0.517
COCH-ARM / FISHERS	P=0.446	P=0.500	P=0.341	P=0.419
ORDER RESTRICTED	P=0.510	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.519	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Mammary Gland Fibroma, Fibroadenoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	30/50 (60%)	30/50 (60%)	33/50 (66%)	31/50 (62%)
POLY-3 RATE (b)	30/46.8	30/48.02	33/46.64	31/48.2
POLY-3 PERCENT (g)	64.1%	62.5%	70.8%	64.3%
TERMINAL (d)	23/36 (64%)	21/35 (60%)	27/36 (75%)	26/40 (65%)
FIRST INCIDENCE	579	608	600	603
STATISTICAL TESTS				
LIFE TABLE	P=0.323N	P=0.522	P=0.340	P=0.433N
POLY 3	P=0.551N	P=0.520N	P=0.317	P=0.578
POLY 1.5	P=0.552	P=0.539N	P=0.328	P=0.554
POLY 6	P=0.545N	P=0.503N	P=0.303	P=0.585N
LOGISTIC REGRESSION	P=0.500N	P=0.559N	P=0.293	P=0.564N
COCH-ARM / FISHERS	P=0.506	P=0.581N	P=0.339	P=0.500
ORDER RESTRICTED	P=0.523	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.530	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Mammary Gland
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	30/50 (60%)	30/50 (60%)	34/50 (68%)	31/50 (62%)
POLY-3 RATE (b)	30/46.8	30/48.02	34/46.73	31/48.2
POLY-3 PERCENT (g)	64.1%	62.5%	72.8%	64.3%
TERMINAL (d)	23/36 (64%)	21/35 (60%)	27/36 (75%)	26/40 (65%)
FIRST INCIDENCE	579	608	600	603

STATISTICAL TESTS

LIFE TABLE	P=0.310N	P=0.522	P=0.277	P=0.433N
POLY 3	P=0.534N	P=0.520N	P=0.243	P=0.578
POLY 1.5	P=0.551N	P=0.539N	P=0.253	P=0.554
POLY 6	P=0.529N	P=0.503N	P=0.232	P=0.585N
LOGISTIC REGRESSION	P=0.483N	P=0.559N	P=0.221	P=0.564N
COCH-ARM / FISHERS	P=0.522	P=0.581N	P=0.266	P=0.500
ORDER RESTRICTED	P=0.466	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.476	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	2/44.97	0/47.08
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	634	---

STATISTICAL TESTS

LIFE TABLE	P=0.607N	(e)	P=0.240	(e)
POLY 3	P=0.614N	(e)	P=0.235	(e)
POLY 1.5	P=0.618N	(e)	P=0.236	(e)
POLY 6	P=0.609N	(e)	P=0.234	(e)
LOGISTIC REGRESSION	P=0.646N	(e)	P=0.239	(e)
COCH-ARM / FISHERS	P=0.624N	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.245	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.263	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	24/49 (49%)	22/50 (44%)	22/50 (44%)	25/50 (50%)
POLY-3 RATE (b)	24/46.16	22/47.23	22/46.96	25/48.91
POLY-3 PERCENT (g)	52%	46.6%	46.9%	51.1%
TERMINAL (d)	18/36 (50%)	15/35 (43%)	16/36 (44%)	19/40 (48%)
FIRST INCIDENCE	586	646	432	586

STATISTICAL TESTS

LIFE TABLE	P=0.524N	P=0.465N	P=0.437N	P=0.475N
POLY 3	P=0.456	P=0.376N	P=0.386N	P=0.548N
POLY 1.5	P=0.426	P=0.373N	P=0.380N	P=0.570N
POLY 6	P=0.487	P=0.390N	P=0.401N	P=0.532N
LOGISTIC REGRESSION	P=0.397	P=0.369N	P=0.389N	P=0.559
COCH-ARM / FISHERS	P=0.376	P=0.384N	P=0.384N	P=0.540
ORDER RESTRICTED	P=0.560N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.566N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Carcinoma**

TUMOR RATES

OVERALL (a)	1/49 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/44.45	1/46.05	2/44.71	0/47.08
POLY-3 PERCENT (g)	2.3%	2.2%	4.5%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	704	608	708	---

STATISTICAL TESTS

LIFE TABLE	P=0.291N	P=0.759	P=0.491	P=0.490N
POLY 3	P=0.297N	P=0.753N	P=0.502	P=0.489N
POLY 1.5	P=0.301N	P=0.753N	P=0.505	P=0.491N
POLY 6	P=0.293N	P=0.754N	P=0.498	P=0.487N
LOGISTIC REGRESSION	P=0.320N	P=0.744	P=0.501	P=0.497N
COCH-ARM / FISHERS	P=0.307N	P=0.747N	P=0.508	P=0.495N
ORDER RESTRICTED	P=0.265N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.284N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	25/49 (51%)	23/50 (46%)	24/50 (48%)	25/50 (50%)
POLY-3 RATE (b)	25/46.26	23/47.65	24/47.04	25/48.91
POLY-3 PERCENT (g)	54%	48.3%	51%	51.1%
TERMINAL (d)	18/36 (50%)	15/35 (43%)	17/36 (47%)	19/40 (48%)
FIRST INCIDENCE	586	608	432	586

STATISTICAL TESTS

LIFE TABLE	P=0.422N	P=0.466N	P=0.512N	P=0.404N
POLY 3	P=0.551N	P=0.362N	P=0.466N	P=0.468N
POLY 1.5	P=0.536	P=0.364N	P=0.458N	P=0.490N
POLY 6	P=0.528N	P=0.369N	P=0.485N	P=0.455N
LOGISTIC REGRESSION	P=0.504	P=0.370N	P=0.467N	P=0.521N
COCH-ARM / FISHERS	P=0.486	P=0.383N	P=0.460N	P=0.540N
ORDER RESTRICTED	P=0.553N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.560N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin				
Basal Cell Adenoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	1/45.63	1/44.62	0/47.08
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
LIFE TABLE	P=0.486N	P=0.494	P=0.500	(e)
POLY 3	P=0.504N	P=0.501	P=0.497	(e)
POLY 1.5	P=0.507N	P=0.502	P=0.498	(e)
POLY 6	P=0.501N	P=0.499	P=0.494	(e)
LOGISTIC REGRESSION	(e)	P=0.494	P=0.500	(e)
COCH-ARM / FISHERS	P=0.514N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.394N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.409N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.34	1/45.63	1/44.62	1/47.08
POLY-3 PERCENT (g)	0%	2.2%	2.2%	2.1%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	1/36 (3%)	1/40 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.584	P=0.494	P=0.500	P=0.521
POLY 3	P=0.564	P=0.501	P=0.497	P=0.508
POLY 1.5	P=0.559	P=0.502	P=0.498	P=0.505
POLY 6	P=0.568	P=0.499	P=0.494	P=0.510
LOGISTIC REGRESSION	(e)	P=0.494	P=0.500	P=0.521
COCH-ARM / FISHERS	P=0.551	P=0.500	P=0.500	P=0.500
ORDER RESTRICTED	P=0.325	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.343	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Skin
 Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.34	1/45.63	1/44.62	2/47.08
POLY-3 PERCENT (g)	0%	2.2%	2.2%	4.3%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	1/36 (3%)	2/40 (5%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.265	P=0.494	P=0.500	P=0.262
POLY 3	P=0.239	P=0.501	P=0.497	P=0.246
POLY 1.5	P=0.235	P=0.502	P=0.498	P=0.243
POLY 6	P=0.243	P=0.499	P=0.494	P=0.248
LOGISTIC REGRESSION (e)		P=0.494	P=0.500	P=0.262
COCH-ARM / FISHERS	P=0.227	P=0.500	P=0.500	P=0.247
ORDER RESTRICTED	P=0.123	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.141	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/45.34	3/45.63	2/44.9	2/47.08
POLY-3 PERCENT (g)	0%	6.6%	4.5%	4.3%
TERMINAL (d)	0/36 (0%)	3/35 (9%)	1/36 (3%)	2/40 (5%)
FIRST INCIDENCE	---	729 (T)	654	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.566	P=0.116	P=0.232	P=0.262
POLY 3	P=0.538	P=0.120	P=0.235	P=0.246
POLY 1.5	P=0.532	P=0.120	P=0.236	P=0.243
POLY 6	P=0.544	P=0.118	P=0.233	P=0.248
LOGISTIC REGRESSION	P=0.542	P=0.116	P=0.238	P=0.262
COCH-ARM / FISHERS	P=0.519	P=0.121	P=0.247	P=0.247
ORDER RESTRICTED	P=0.156	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.173	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.34	2/45.93	1/44.71	2/47.08
POLY-3 PERCENT (g)	0%	4.4%	2.2%	4.3%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	---	647	708	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.394	P=0.239	P=0.495	P=0.262
POLY 3	P=0.371	P=0.240	P=0.497	P=0.246
POLY 1.5	P=0.366	P=0.240	P=0.499	P=0.243
POLY 6	P=0.376	P=0.239	P=0.495	P=0.248
LOGISTIC REGRESSION	P=0.363	P=0.231	P=0.498	P=0.262
COCH-ARM / FISHERS	P=0.356	P=0.247	P=0.500	P=0.247
ORDER RESTRICTED	P=0.163	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.181	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/45.34	2/45.93	1/44.71	4/47.39
POLY-3 PERCENT (g)	0%	4.4%	2.2%	8.4%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/36 (0%)	3/40 (8%)
FIRST INCIDENCE	---	647	708	646

STATISTICAL TESTS

LIFE TABLE	P=0.070	P=0.239	P=0.495	P=0.076
POLY 3	P=0.057	P=0.240	P=0.497	P=0.066
POLY 1.5	P=0.055	P=0.240	P=0.499	P=0.064
POLY 6	P=0.060	P=0.239	P=0.495	P=0.068
LOGISTIC REGRESSION	P=0.051	P=0.231	P=0.498	P=0.063
COCH-ARM / FISHERS	P=0.052	P=0.247	P=0.500	P=0.059
ORDER RESTRICTED	P=0.022*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.031*	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin				
Fibrosarcoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	2/47.39
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	---	---	---	646
STATISTICAL TESTS				
LIFE TABLE	P=0.050*	(e)	(e)	P=0.254
POLY 3	P=0.045*	(e)	(e)	P=0.247
POLY 1.5	P=0.044*	(e)	(e)	P=0.244
POLY 6	P=0.046*	(e)	(e)	P=0.251
LOGISTIC REGRESSION	P=0.036*	(e)	(e)	P=0.214
COCH-ARM / FISHERS	P=0.043*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.034*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.044*	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	2/47.39
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	---	---	---	646

STATISTICAL TESTS

LIFE TABLE	P=0.050*	(e)	(e)	P=0.254
POLY 3	P=0.045*	(e)	(e)	P=0.247
POLY 1.5	P=0.044*	(e)	(e)	P=0.244
POLY 6	P=0.046*	(e)	(e)	P=0.251
LOGISTIC REGRESSION	P=0.036*	(e)	(e)	P=0.214
COCH-ARM / FISHERS	P=0.043*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.034*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.044*	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Skin				
Keratoacanthoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	2/45.63	1/44.9	0/47.08
POLY-3 PERCENT (g)	0%	4.4%	2.2%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	654	---
STATISTICAL TESTS				
LIFE TABLE	P=0.338N	P=0.232	P=0.486	(e)
POLY 3	P=0.348N	P=0.239	P=0.498	(e)
POLY 1.5	P=0.352N	P=0.239	P=0.499	(e)
POLY 6	P=0.346N	P=0.236	P=0.497	(e)
LOGISTIC REGRESSION	P=0.358N	P=0.232	P=0.501	(e)
COCH-ARM / FISHERS	P=0.360N	P=0.247	P=0.500	(e)
ORDER RESTRICTED	P=0.318N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.336N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
 Time Report Reqsted: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	2/45.63	1/44.9	0/47.08
POLY-3 PERCENT (g)	0%	4.4%	2.2%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	654	---

STATISTICAL TESTS

LIFE TABLE	P=0.338N	P=0.232	P=0.486	(e)
POLY 3	P=0.348N	P=0.239	P=0.498	(e)
POLY 1.5	P=0.352N	P=0.239	P=0.499	(e)
POLY 6	P=0.346N	P=0.236	P=0.497	(e)
LOGISTIC REGRESSION	P=0.358N	P=0.232	P=0.501	(e)
COCH-ARM / FISHERS	P=0.360N	P=0.247	P=0.500	(e)
ORDER RESTRICTED	P=0.318N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.336N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	2/45.63	1/44.9	0/47.08
POLY-3 PERCENT (g)	0%	4.4%	2.2%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	654	---

STATISTICAL TESTS

LIFE TABLE	P=0.338N	P=0.232	P=0.486	(e)
POLY 3	P=0.348N	P=0.239	P=0.498	(e)
POLY 1.5	P=0.352N	P=0.239	P=0.499	(e)
POLY 6	P=0.346N	P=0.236	P=0.497	(e)
LOGISTIC REGRESSION	P=0.358N	P=0.232	P=0.501	(e)
COCH-ARM / FISHERS	P=0.360N	P=0.247	P=0.500	(e)
ORDER RESTRICTED	P=0.318N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.336N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: C-Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	3/49 (6%)	4/50 (8%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	3/44.34	4/45.72	6/45.07	4/47.08
POLY-3 PERCENT (g)	6.8%	8.8%	13.3%	8.5%
TERMINAL (d)	3/35 (9%)	3/35 (9%)	5/36 (14%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	707	600	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.529N	P=0.496	P=0.257	P=0.573
POLY 3	P=0.586N	P=0.517	P=0.250	P=0.533
POLY 1.5	P=0.596N	P=0.516	P=0.252	P=0.525
POLY 6	P=0.575N	P=0.513	P=0.247	P=0.539
LOGISTIC REGRESSION	P=0.571N	P=0.494	P=0.243	P=0.573
COCH-ARM / FISHERS	P=0.583	P=0.511	P=0.254	P=0.511
ORDER RESTRICTED	P=0.400	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.416	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: C-Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	1/49 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/44.34	1/45.63	0/44.62	2/47.08
POLY-3 PERCENT (g)	2.3%	2.2%	0%	4.3%
TERMINAL (d)	1/35 (3%)	1/35 (3%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.354	P=0.762	P=0.494N	P=0.547
POLY 3	P=0.324	P=0.754N	P=0.499N	P=0.521
POLY 1.5	P=0.320	P=0.754N	P=0.497N	P=0.516
POLY 6	P=0.329	P=0.756N	P=0.501N	P=0.525
LOGISTIC REGRESSION	P=0.354	P=0.762	(e)	P=0.547
COCH-ARM / FISHERS	P=0.312	P=0.747N	P=0.495N	P=0.508
ORDER RESTRICTED	P=0.293	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.312	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: C-Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	4/49 (8%)	5/50 (10%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	4/44.34	5/45.72	6/45.07	6/47.08
POLY-3 PERCENT (g)	9%	10.9%	13.3%	12.7%
TERMINAL (d)	4/35 (11%)	4/35 (11%)	5/36 (14%)	6/40 (15%)
FIRST INCIDENCE	729 (T)	707	600	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.494	P=0.496	P=0.388	P=0.455
POLY 3	P=0.428	P=0.519	P=0.380	P=0.408
POLY 1.5	P=0.417	P=0.519	P=0.382	P=0.400
POLY 6	P=0.441	P=0.515	P=0.376	P=0.415
LOGISTIC REGRESSION	P=0.451	P=0.490	P=0.369	P=0.455
COCH-ARM / FISHERS	P=0.397	P=0.513	P=0.383	P=0.383
ORDER RESTRICTED	P=0.439	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.452	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: Follicular Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**Thyroid Gland: Follicular Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.34	1/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/35 (0%)	1/35 (3%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.602N	P=0.500	(e)	(e)
POLY 3	P=0.618N	P=0.506	(e)	(e)
POLY 1.5	P=0.620N	P=0.506	(e)	(e)
POLY 6	P=0.617N	P=0.504	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.625N	P=0.505	(e)	(e)
ORDER RESTRICTED	P=0.376N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.394N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Requested: 03/16/2007
 Time Report Requested: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	10/50 (20%)	8/50 (16%)	13/50 (26%)	12/50 (24%)
POLY-3 RATE (b)	10/45.42	8/46.33	13/44.93	12/47.52
POLY-3 PERCENT (g)	22%	17.3%	28.9%	25.3%
TERMINAL (d)	8/36 (22%)	7/35 (20%)	12/36 (33%)	10/40 (25%)
FIRST INCIDENCE	710	490	647	669
STATISTICAL TESTS				
LIFE TABLE	P=0.443	P=0.424N	P=0.312	P=0.510
POLY 3	P=0.349	P=0.379N	P=0.303	P=0.451
POLY 1.5	P=0.332	P=0.383N	P=0.311	P=0.435
POLY 6	P=0.374	P=0.383N	P=0.293	P=0.468
LOGISTIC REGRESSION	P=0.366	P=0.394N	P=0.272	P=0.458
COCH-ARM / FISHERS	P=0.307	P=0.398N	P=0.318	P=0.405
ORDER RESTRICTED	P=0.313	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.332	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
 Time Report Reqsted: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

Date Report Reqsted: 03/16/2007
 Time Report Reqsted: 08:39:18
 First Dose M/F: 08/12/02 / 08/12/02
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
All Organs				
Histiocytic Sarcoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.566N	P=0.506N	P=0.500N	P=0.479N
POLY 3	P=0.584N	P=0.499N	P=0.503N	P=0.492N
POLY 1.5	P=0.586N	P=0.498N	P=0.502N	P=0.495N
POLY 6	P=0.581N	P=0.501N	P=0.506N	P=0.490N
LOGISTIC REGRESSION	P=0.566N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.588N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.112N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.130N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated

TUMOR RATES	#	#	#	#
OVERALL (a)	9/50 (18%)	10/50 (20%)	15/50 (30%)	6/50 (12%)
POLY-3 RATE (b)	9/46.87	10/46.01	15/46.22	6/47.69
POLY-3 PERCENT (g)	19.2%	21.7%	32.5%	12.6%
TERMINAL (d)	4/36 (11%)	7/35 (20%)	10/36 (28%)	3/40 (8%)
FIRST INCIDENCE	586	684	476	604

STATISTICAL TESTS

LIFE TABLE	P=0.093N	P=0.477	P=0.134	P=0.245N
POLY 3	P=0.107N	P=0.482	P=0.109	P=0.275N
POLY 1.5	P=0.114N	P=0.494	P=0.115	P=0.278N
POLY 6	P=0.101N	P=0.458	P=0.100	P=0.277N
LOGISTIC REGRESSION	P=0.135N	P=0.499	P=0.123	P=0.341N
COCH-ARM / FISHERS	P=0.128N	P=0.500	P=0.121	P=0.288N
ORDER RESTRICTED	P=0.115N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.130N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Mesothelioma: Benign

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Mesothelioma: Benign, Malignant, NOS

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

All Organs
 Mesothelioma: Malignant

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.34	0/45.63	0/44.62	0/47.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	45/50 (90%)	44/50 (88%)	45/50 (90%)	48/50 (96%)
POLY-3 RATE (b)	45/48	44/49.21	45/48.02	48/49.57
POLY-3 PERCENT (g)	93.8%	89.4%	93.7%	96.8%
TERMINAL (d)	35/36 (97%)	31/35 (89%)	35/36 (97%)	39/40 (98%)
FIRST INCIDENCE	579	490	432	586

STATISTICAL TESTS

LIFE TABLE	P=0.424N	P=0.576	P=0.562	P=0.460N
POLY 3	P=0.170	P=0.336N	P=0.677N	P=0.396
POLY 1.5	P=0.149	P=0.386N	P=0.644N	P=0.325
POLY 6	P=0.190	P=0.303N	P=0.665	P=0.456
LOGISTIC REGRESSION	P=0.221	P=0.406N	P=0.613	P=0.447
COCH-ARM / FISHERS	P=0.118	P=0.500N	P=0.630N	P=0.218
ORDER RESTRICTED	P=0.201	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.218	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CHROMIUM PICOLINATE MONOHYDRATE
 CAS Number: 27882-76-4

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
All Organs				
Malignant Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	15/50 (30%)	13/50 (26%)	21/50 (42%)	13/50 (26%)
POLY-3 RATE (b)	15/47.81	13/46.67	21/47.59	13/47.99
POLY-3 PERCENT (g)	31.4%	27.9%	44.1%	27.1%
TERMINAL (d)	8/36 (22%)	8/35 (23%)	13/36 (36%)	9/40 (23%)
FIRST INCIDENCE	396	608	474	604
STATISTICAL TESTS				
LIFE TABLE	P=0.240N	P=0.446N	P=0.173	P=0.329N
POLY 3	P=0.313N	P=0.441N	P=0.140	P=0.407N
POLY 1.5	P=0.322N	P=0.426N	P=0.144	P=0.407N
POLY 6	P=0.305N	P=0.465N	P=0.135	P=0.411N
LOGISTIC REGRESSION	P=0.391N	P=0.430N	P=0.156	P=0.484N
COCH-ARM / FISHERS	P=0.339N	P=0.412N	P=0.149	P=0.412N
ORDER RESTRICTED	P=0.345N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.357N	(e)	(e)	(e)

TDMS No. 99027 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 PPM	2000 PPM	10000 PPM	50000 PPM
All Organs				
Malignant and Benign Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	47/50 (94%)	47/50 (94%)	49/50 (98%)	49/50 (98%)
POLY-3 RATE (b)	47/49.07	47/49.38	49/50	49/50
POLY-3 PERCENT (g)	95.8%	95.2%	98%	98%
TERMINAL (d)	35/36 (97%)	33/35 (94%)	35/36 (97%)	39/40 (98%)
FIRST INCIDENCE	396	490	432	586
STATISTICAL TESTS				
LIFE TABLE	P=0.272N	P=0.495	P=0.402	P=0.376N
POLY 3	P=0.375	P=0.639N	P=0.477	P=0.477
POLY 1.5	P=0.323	P=0.643N	P=0.412	P=0.412
POLY 6	P=0.427	P=0.642N	P=0.536	P=0.536
LOGISTIC REGRESSION	P=0.306	P=0.589N	P=0.301	P=0.425
COCH-ARM / FISHERS	P=0.249	P=0.661N	P=0.309	P=0.309
ORDER RESTRICTED	P=0.372	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.385	(e)	(e)	(e)

TDMS No. 99027 - 03
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Species/Strain: RATS/F 344

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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.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***