

**Experiment Number:** 20316 - 01  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Cedarwood oil  
**CAS Number:** 8000-27-9

**Date Report Requested:** 03/30/2016  
**Time Report Requested:** 13:58:49  
**First Dose M/F:** 06/15/05 / 06/16/05  
**Lab:** BAT

F1\_Rev.2\_R2 0% Vehicle (without High Dose)

**NTP Study Number:** C20316

**Lock Date:** 03/06/2006

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:**

Include 003 0 %	Include 004 0 %	Include 005 6.25 %
Include 006 6.25 %	Include 007 12.5 %	Include 008 12.5 %
Include 009 25 %	Include 010 25 %	Include 011 50 %
Include 012 50 %		

**Study Gender:** Both

**TDMSE Version:** 3.0.2.3\_002

**PWG Approval Date:** 11/26/2007

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

### MALE RATS

#### Organ

Adrenal Cortex

Kidney

Kidney: Renal Tubule

Skin: Hair Follicle, Site of Application

Skin: Sebaceous Gland, Site of Application

Skin: Site of Application - Dermis

Skin: Site of Application - Epidermis

Skin: Site of Application

Testes: Right, Germinal Epithelium

### FEMALE RATS

#### Organ

Bone Marrow

Liver

Salivary Glands: Submandibular Gland

Skin: Hair Follicle, Site of Application

Skin: Sebaceous Gland, Site of Application

Skin: Site of Application - Dermis

Skin: Site of Application - Epidermis

Skin: Site of Application

Thyroid Gland

#### Morphology

Angiectasis

Accumulation, Hyaline Droplet

Mineralization

Casts Granular

Degeneration

Hyperplasia

Hyperplasia

Fibrosis

Hyperkeratosis

Hyperplasia

Ulcer

Inflammation Chronic

Atrophy

#### Morphology

Hyperplasia

Inflammation

Vacuolization Cytoplasmic

Hyperplasia

Hyperplasia

Fibrosis

Hyperkeratosis

Hyperplasia

Ulcer

Inflammation Chronic

Infiltration Cellular Mononuclear Cell

Ultimobranchial Cyst

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Adrenal Cortex</b>					
<b>Angiectasis</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.144N	P=0.227N	P=0.227N	P=0.227N	P=0.227N
POLY 1.5	P=0.144N	P=0.227N	P=0.227N	P=0.227N	P=0.227N
POLY 6	P=0.144N	P=0.227N	P=0.227N	P=0.227N	P=0.227N
COCH-ARM / FISHERS	P=0.154N	P=0.237N	P=0.237N	P=0.237N	P=0.237N
MAX-ISO-POLY-3	P=0.015N*	P=0.067N	P=0.067N	P=0.067N	P=0.067N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Adrenal Cortex</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Adrenal Cortex</b>					
<b>Mineralization</b>					
<hr/>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---
<hr/>					
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Bone Marrow Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.144	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.144	(e)	(e)	(e)	P=0.500
POLY 6	P=0.144	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.096	(e)	(e)	(e)	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Epididymis</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<hr/>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<hr/>					
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Epididymis Inflammation</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Heart</b>					
<b>Cardiomyopathy</b>					
<b>LESION RATES</b>					
OVERALL (a)	10/10 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	10/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%
TERMINAL (d)	10/10 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Intestine Large, Rectum</b>					
<b>Parasite Metazoan</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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 Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Islets, Pancreatic Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney</b>					
Accumulation, Hyaline Droplet					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	93 (T)	---
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.500N	P=0.500N	P=0.500N	P=0.760	P=0.500N
POLY 1.5	P=0.500N	P=0.500N	P=0.500N	P=0.760	P=0.500N
POLY 6	P=0.500N	P=0.500N	P=0.500N	P=0.760	P=0.500N
COCH-ARM / FISHERS	P=0.500N	P=0.500N	P=0.500N	P=0.763N	P=0.500N
MAX-ISO-POLY-3	P=0.229N	P=0.158N	P=0.158N	P=1.000	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney Mineralization</b>					
<b>LESION RATES</b>					
OVERALL (a)	4/10 (40%)	7/10 (70%)	9/10 (90%)	8/10 (80%)	8/10 (80%)
POLY-3 RATE (b)	4/10.00	7/10.00	9/10.00	8/10.00	8/10.00
POLY-3 PERCENT (g)	40%	70%	90%	80%	80%
TERMINAL (d)	4/10 (40%)	7/10 (70%)	9/10 (90%)	8/10 (80%)	8/10 (80%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.104	P=0.186	P=0.018*	P=0.077	P=0.077
POLY 1.5	P=0.104	P=0.186	P=0.018*	P=0.077	P=0.077
POLY 6	P=0.104	P=0.186	P=0.018*	P=0.077	P=0.077
COCH-ARM / FISHERS	P=0.110	P=0.185	P=0.029*	P=0.085	P=0.085
MAX-ISO-POLY-3	P=0.022*	P=0.090	P=0.005**	P=0.029*	P=0.029*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney</b>					
<b>Nephropathy</b>					
<hr/>					
<b>LESION RATES</b>					
OVERALL (a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	100%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
<hr/>					
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney: Renal Tubule Casts Granular</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	5/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	50%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	(e)	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.008**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.008**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.016*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.002**	(e)



Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney: Renal Tubule Degeneration</b>					
<b>LESION RATES</b>					
OVERALL (a)	4/10 (40%)	5/10 (50%)	6/10 (60%)	7/10 (70%)	10/10 (100%)
POLY-3 RATE (b)	4/10.00	5/10.00	6/10.00	7/10.00	10/10.00
POLY-3 PERCENT (g)	40%	50%	60%	70%	100%
TERMINAL (d)	4/10 (40%)	5/10 (50%)	6/10 (60%)	7/10 (70%)	10/10 (100%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.002**	P=0.500	P=0.333	P=0.186	P<0.001**
POLY 1.5	P=0.002**	P=0.500	P=0.333	P=0.186	P<0.001**
POLY 6	P=0.002**	P=0.500	P=0.333	P=0.186	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.500	P=0.328	P=0.185	P=0.005**
MAX-ISO-POLY-3	P=0.002**	P=0.334	P=0.192	P=0.090	P<0.001**

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Liver</b>					
<b>Hematopoietic Cell Proliferation</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/10.00	1/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	10%	0%	10%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	93 (T)	---	93 (T)	---	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.581	P=0.500N	P=0.760	P=0.500N	P=0.760
POLY 1.5	P=0.581	P=0.500N	P=0.760	P=0.500N	P=0.760
POLY 6	P=0.581	P=0.500N	P=0.760	P=0.500N	P=0.760
COCH-ARM / FISHERS	P=0.583	P=0.500N	P=0.763N	P=0.500N	P=0.763N
MAX-ISO-POLY-3	P=0.556	P=0.158N	P=1.000	P=0.158N	P=1.000

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Liver</b>					
<b>Hepatodiaphragmatic Nodule</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.362N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.362N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.362N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.360N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.096N	P=0.158N	P=0.158N	P=0.158N	P=0.158N

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Liver Inflammation</b>					
<b>LESION RATES</b>					
OVERALL (a)	8/10 (80%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	7/10 (70%)
POLY-3 RATE (b)	8/10.00	10/10.00	10/10.00	7/10.00	7/10.00
POLY-3 PERCENT (g)	80%	100%	100%	70%	70%
TERMINAL (d)	8/10 (80%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	7/10 (70%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.082N	P=0.227	P=0.227	P=0.500N	P=0.500N
POLY 1.5	P=0.082N	P=0.227	P=0.227	P=0.500N	P=0.500N
POLY 6	P=0.082N	P=0.227	P=0.227	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.086N	P=0.237	P=0.237	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.125N	P=0.067	P=0.067	P=0.310N	P=0.310N

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)**  
**TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Lung</b>					
<b>Infiltration Cellular Histiocyte</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Lung Inflammation</b>					
<b>LESION RATES</b>					
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Lung</b>					
<b>Metaplasia Osseous</b>					
<b>LESION RATES</b>					
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Mesentery Mineralization</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)



Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Mesentery</b>					
<b>Necrosis</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Mesentery: Fat</b>					
<b>Inflammation Chronic Granulomatous</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Nose</b>					
Vacuolization Cytoplasmic					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Pancreas Atrophy</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Pancreas</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Pituitary Gland Cyst</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Preputial Gland Inflammation Chronic Focal</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Salivary Glands: Submandibular Gland</b>					
Vacuolization Cytoplasmic					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Hair Follicle, Site of Application</b>					
<b>Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Sebaceous Gland, Site of Application</b>					
<b>Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Dermis</b>					
<b>Fibrosis</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	7/10 (70%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	7/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	70%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	7/10 (70%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.002**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Epidermis</b>					
<b>Hyperkeratosis</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	7/10 (70%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	7/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	10%	70%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	7/10 (70%)	10/10 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.002**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Epidermis</b>					
<b>Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	2/10 (20%)	4/10 (40%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	2/10.00	4/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	20%	40%	100%	100%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	4/10 (40%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	P=0.227	P=0.033*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.227	P=0.033*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.227	P=0.033*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.237	P=0.043*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.067	P=0.007**	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Epidermis</b>					
<b>Ulcer</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	1/10.00	7/10.00
POLY-3 PERCENT (g)	0%	0%	10%	10%	70%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	7/10 (70%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	P=0.500	P=0.500	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P=0.500	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P=0.500	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.500	P=0.002**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P=0.158	P<0.001**

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application</b>					
Inflammation Chronic					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	1/10 (10%)	4/10 (40%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	1/10.00	4/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	10%	40%	90%	100%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	4/10 (40%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	P=0.500	P=0.033*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500	P=0.033*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500	P=0.033*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.043*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P=0.007**	P<0.001**	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Spleen</b>					
<b>Hematopoietic Cell Proliferation</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)



Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Stomach, Glandular: Glands Ectasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Testes: Right, Germinal Epithelium Atrophy</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	1/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	93 (T)	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	P=0.091	(e)	(e)
POLY 1.5	(e)	(e)	P=0.091	(e)	(e)
POLY 6	(e)	(e)	P=0.091	(e)	(e)
COCH-ARM / FISHERS	P=0.630	(e)	P=0.091	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Thyroid Gland Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Thyroid Gland</b>					
<b>Ultimobranchial Cyst</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	20%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	93 (T)	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.298N	P=0.227	(e)	(e)	(e)
POLY 1.5	P=0.298N	P=0.227	(e)	(e)	(e)
POLY 6	P=0.298N	P=0.227	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.305N	P=0.237	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.203N	P=0.067	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Urinary Bladder</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Adrenal Cortex</b>					
<b>Angiectasis</b>					
<hr/>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<hr/>					
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Adrenal Cortex</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<hr/>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<hr/>					
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Adrenal Cortex Mineralization</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)



Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Bone Marrow Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/9 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/9.00	0/10.00	2/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	20%	20%
TERMINAL (d)	0/10 (0%)	0/9 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.033*	(e)	(e)	P=0.227	P=0.227
POLY 1.5	P=0.033*	(e)	(e)	P=0.227	P=0.227
POLY 6	P=0.033*	(e)	(e)	P=0.227	P=0.227
COCH-ARM / FISHERS	P=0.035*	(e)	(e)	P=0.237	P=0.237
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.066	P=0.066

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Heart</b>					
<b>Cardiomyopathy</b>					
<b>LESION RATES</b>					
OVERALL (a)	9/10 (90%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	9/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	90%	0%	0%	0%	0%
TERMINAL (d)	9/10 (90%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Intestine Large, Rectum</b>					
<b>Parasite Metazoan</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

---

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Islets, Pancreatic Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney</b>					
Accumulation, Hyaline Droplet					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

---

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

---

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney Mineralization</b>					
<b>LESION RATES</b>					
OVERALL (a)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	5/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	50%	0%	0%	0%	0%
TERMINAL (d)	5/10 (50%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney</b>					
<b>Nephropathy</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)



Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney: Renal Tubule Casts Granular</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS**

---

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Kidney: Renal Tubule Degeneration</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

---

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Liver</b>					
<b>Hematopoietic Cell Proliferation</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Liver</b>					
<b>Hepatodiaphragmatic Nodule</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.362N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.362N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.362N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.360N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.056N	P=0.158N	P=0.158N	P=0.158N	P=0.158N

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Liver Inflammation</b>					
<b>LESION RATES</b>					
OVERALL (a)	9/10 (90%)	10/10 (100%)	9/10 (90%)	8/10 (80%)	5/10 (50%)
POLY-3 RATE (b)	9/10.00	10/10.00	9/10.00	8/10.00	5/10.00
POLY-3 PERCENT (g)	90%	100%	90%	80%	50%
TERMINAL (d)	9/10 (90%)	10/10 (100%)	9/10 (90%)	8/10 (80%)	5/10 (50%)
FIRST INCIDENCE	93 (T)	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.002N**	P=0.500	P=0.760	P=0.500N	P=0.061N
POLY 1.5	P=0.002N**	P=0.500	P=0.760	P=0.500N	P=0.061N
POLY 6	P=0.002N**	P=0.500	P=0.760	P=0.500N	P=0.061N
COCH-ARM / FISHERS	P=0.003N**	P=0.500	P=0.763N	P=0.500N	P=0.070N
MAX-ISO-POLY-3	P=0.002N**	P=0.158	P=1.000	P=0.274N	P=0.020N*

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Lung</b>					
<b>Infiltration Cellular Histiocyte</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Lung Inflammation</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Lung</b>					
<b>Metaplasia Osseous</b>					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)



Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Mesentery</b>					
<b>Mineralization</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	93 (T)	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Mesentery Necrosis</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	93 (T)	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 13:58:49

First Dose M/F: 06/15/05 / 06/16/05

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %

Mesentery: Fat  
Inflammation Chronic Granulomatous

LESION RATES

OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	93 (T)	---	---	---

STATISTICAL TESTS

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

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Nose</b>					
Vacuolization Cytoplasmic					
<b>LESION RATES</b>					
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)**  
**TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Pancreas</b>					
<b>Atrophy</b>					
<hr/>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<hr/>					
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Pancreas</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: RATS/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Cedarwood oil  
CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
Time Report Requested: 13:58:49  
First Dose M/F: 06/15/05 / 06/16/05  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)**  
**TERMINAL SACRIFICE AT 14 WEEKS**

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DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Pituitary Gland Cyst</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Salivary Glands: Submandibular Gland</b>					
Vacuolization Cytoplasmic					
<b>LESION RATES</b>					
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	P=0.033N*	P=0.033N*
POLY 1.5	(e)	(e)	(e)	P=0.033N*	P=0.033N*
POLY 6	(e)	(e)	(e)	P=0.033N*	P=0.033N*
COCH-ARM / FISHERS	P=0.011N*	(e)	(e)	P=0.043N*	P=0.043N*
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.007N**	P=0.007N**



Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Hair Follicle, Site of Application</b>					
<b>Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	10%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**	(e)

Experiment Number: 20316 - 01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 13:58:49

First Dose M/F: 06/15/05 / 06/16/05

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Sebaceous Gland, Site of Application</b>					
<b>Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	4/10 (40%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	4/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	40%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	4/10 (40%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	P=0.033*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.033*	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.033*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.043*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.007**	P<0.001**	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Dermis</b>					
<b>Fibrosis</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	7/10 (70%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	7/10.00	8/10.00
POLY-3 PERCENT (g)	0%	0%	10%	70%	80%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	7/10 (70%)	8/10 (80%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.002**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**	P<0.001**

Experiment Number: 20316 - 01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 13:58:49

First Dose M/F: 06/15/05 / 06/16/05

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Epidermis</b>					
<b>Hyperkeratosis</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	1/10 (10%)	5/10 (50%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	1/10.00	5/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	10%	50%	100%	100%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	5/10 (50%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	P=0.500	P=0.008**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500	P=0.008**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.016*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P<0.001**	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Epidermis</b>					
<b>Hyperplasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	4/10 (40%)	7/10 (70%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	4/10.00	7/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	40%	70%	100%	100%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	7/10 (70%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	93 (T)	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	P=0.033*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.033*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.033*	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.043*	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.007**	P<0.001**	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application - Epidermis</b>					
<b>Ulcer</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	1/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	10%	10%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	4/10 (40%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.002**	(e)	P=0.500	P=0.500	P=0.033*
POLY 1.5	P=0.002**	(e)	P=0.500	P=0.500	P=0.033*
POLY 6	P=0.002**	(e)	P=0.500	P=0.500	P=0.033*
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.500	P=0.500	P=0.043*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.158	P=0.158	P=0.007**

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Skin: Site of Application</b>					
Inflammation Chronic					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/10 (0%)	7/10 (70%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	7/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	70%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	7/10 (70%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	93 (T)	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	(e)	(e)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Spleen</b>					
<b>Hematopoietic Cell Proliferation</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)



Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Stomach, Glandular: Glands Ectasia</b>					
<b>LESION RATES</b>					
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Thyroid Gland Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	P=0.144N	P=0.227N	P=0.227N	P=0.227N	P=0.227N
POLY 1.5	P=0.144N	P=0.227N	P=0.227N	P=0.227N	P=0.227N
POLY 6	P=0.144N	P=0.227N	P=0.227N	P=0.227N	P=0.227N
COCH-ARM / FISHERS	P=0.154N	P=0.237N	P=0.237N	P=0.237N	P=0.237N
MAX-ISO-POLY-3	P=0.009N**	P=0.066N	P=0.066N	P=0.066N	P=0.066N

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)**  
**TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Thyroid Gland</b>					
<b>Ultimobranchial Cyst</b>					
<b>LESION RATES</b>					
<b>OVERALL (a)</b>	3/10 (30%)	2/10 (20%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
<b>POLY-3 RATE (b)</b>	3/10.00	2/10.00	0/10.00	3/10.00	3/10.00
<b>POLY-3 PERCENT (g)</b>	30%	20%	0%	30%	30%
<b>TERMINAL (d)</b>	3/10 (30%)	2/10 (20%)	0/10 (0%)	3/10 (30%)	3/10 (30%)
<b>FIRST INCIDENCE</b>	93 (T)	93 (T)	---	93 (T)	93 (T)
<b>STATISTICAL TESTS</b>					
<b>POLY 3</b>	P=0.360	P=0.500N	P=0.095N	P=0.678	P=0.678
<b>POLY 1.5</b>	P=0.360	P=0.500N	P=0.095N	P=0.678	P=0.678
<b>POLY 6</b>	P=0.360	P=0.500N	P=0.095N	P=0.678	P=0.678
<b>COCH-ARM / FISHERS</b>	P=0.359	P=0.500N	P=0.105N	P=0.686N	P=0.686N
<b>MAX-ISO-POLY-3</b>	P=0.238	P=0.310N	P=0.025N*	P=1.000	P=1.000

Experiment Number: 20316 - 01  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Cedarwood oil  
 CAS Number: 8000-27-9

Date Report Requested: 03/30/2016  
 Time Report Requested: 13:58:49  
 First Dose M/F: 06/15/05 / 06/16/05  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females				
	0 %	6.25 %	12.5 %	25 %	50 %
<b>Urinary Bladder</b>					
<b>Infiltration Cellular Mononuclear Cell</b>					
<b>LESION RATES</b>					
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	93 (T)	---	---	---	---
<b>STATISTICAL TESTS</b>					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20316 - 01

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

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

Cedarwood oil

CAS Number: 8000-27-9

Date Report Requested: 03/30/2016

Time Report Requested: 13:58:49

First Dose M/F: 06/15/05 / 06/16/05

Lab: BAT

**LEGEND**

- (a) Number of tumor-bearing animals/number of animals examined at site.
  - (b) Number of tumor-bearing animals/Poly-3 number
  - (d) Observed incidence at terminal kill.
  - (e) Value of statistic cannot be computed.
  - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (n) No statistics are calculated if all dose groups have fewer than two tumors.
  - (I) Interim sacrifice
  - (T) Terminal sacrifice
  - # Tumor rates based on numbers of animals necropsied.
  - \* To the right of any statistical result, indicates significance at ( $P \leq 0.05$ ).
  - \*\* To the right of any statistical result, indicates significance at ( $P \leq 0.01$ ).
  - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

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