

Experiment Number: 99020-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
CAS Number: 89-82-7

Date Report Requested: 10/20/2014
Time Report Requested: 05:21:11
First Dose M/F: NA / NA
Lab: BAT

C Number:	C99020
Lock Date:	09/27/2002
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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

MALE RAT

Organ

Bone Marrow

Heart

Kidney

Kidney: Renal Tubule

Liver: Bile Duct

Liver: Hepatocyte

Liver: Oval Cell

Liver: Periportal

Lung

Lung: Interstitium

Stomach, Glandular

Testes: Germinal Epith

FEMALE RAT

Organ

Bone Marrow

Heart

Kidney

Kidney: Renal Tubule

Liver: Bile Duct

Liver: Hepatocyte

Liver: Oval Cell

Liver: Periportal

Lung

Lung: Interstitium

Ovary

Morphology

Hyperplasia

Mineralization

Accumulation Hyaline Droplet

Glomerulopathy Hyaline

Casts Protein

Regeneration

Hyperplasia

Hypertrophy

Necrosis Focal

Hyperplasia

Fibrosis

Infiltration Cellular Histiocyte

Infiltration Cellular Lymphocyte

Mineralization

Degeneration

Morphology

Hyperplasia

Cardiomyopathy

Glomerulopathy Hyaline

Mineralization

Casts Protein

Hyperplasia

Hypertrophy

Hyperplasia

Fibrosis

Infiltration Cellular Histiocyte

Infiltration Cellular Lymphocyte

Cyst

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

Stomach, Glandular

Uterus

Mineralization

Dilatation

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

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First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Adrenal Cortex: Capsule						
Fibrosis						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
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 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Bone Marrow						
Hyperplasia						
LESION RATES						
OVERALL(a)	3/10 (30%)	1/10 (10%)	5/10 (50%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	3/10.00	1/10.00	5/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	30%	10%	50%	90%	100%	100%
TERMINAL (d)	3/10 (30%)	1/10 (10%)	5/10 (50%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	P=0.292N	P=0.329	P=0.003**	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.292N	P=0.329	P=0.003**	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.292N	P=0.329	P=0.003**	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.291N	P=0.325	P=0.010**	P=0.002**	P=0.002**
MAX-ISO-POLY-3	P=0.000**	P=0.138N	P=0.189	P<0.001**	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
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 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Brain: Cerebellum						
Dysplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Epididymis						
Inflammation Granulomatous						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Esophagus						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
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 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Eye						
Inflammation Acute						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Harderian Gland						
Inflammation Acute						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
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 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL(a)	9/10 (90%)	8/10 (80%)	8/10 (80%)	9/10 (90%)	7/10 (70%)	7/10 (70%)
POLY-3 RATE (b)	9/10.00	8/10.00	8/10.00	9/10.00	7/10.00	7/10.00
POLY-3 PERCENT (g)	90%	80%	80%	90%	70%	70%
TERMINAL (d)	9/10 (90%)	8/10 (80%)	8/10 (80%)	9/10 (90%)	7/10 (70%)	7/10 (70%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.181N	P=0.500N	P=0.500N	P=0.760	P=0.292N	P=0.292N
POLY 1.5	P=0.181N	P=0.500N	P=0.500N	P=0.760	P=0.292N	P=0.292N
POLY 6	P=0.181N	P=0.500N	P=0.500N	P=0.760	P=0.292N	P=0.292N
COCH-ARM / FISHERS	P=0.173N	P=0.500N	P=0.500N	P=0.763N	P=0.291N	P=0.291N
MAX-ISO-POLY-3	P=0.256N	P=0.274N	P=0.274N	P=1.000	P=0.138N	P=0.138N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Heart						
Mineralization						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	1/10.00	0/10.00	6/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%	0%	60%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	6/10 (60%)
FIRST INCIDENCE	94(T)	---	---	94(T)	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	P=0.500N	P=0.500N	P=0.760	P=0.500N	P=0.018*
POLY 1.5	P=0.000**	P=0.500N	P=0.500N	P=0.760	P=0.500N	P=0.018*
POLY 6	P=0.000**	P=0.500N	P=0.500N	P=0.760	P=0.500N	P=0.018*
COCH-ARM / FISHERS	P=0.000**	P=0.500N	P=0.500N	P=0.763N	P=0.500N	P=0.029*
MAX-ISO-POLY-3	P=0.000**	P=0.159N	P=0.159N	P=1.000	P=0.159N	P=0.005**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

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First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Heart: Myocardium						
Pigmentation Hemosiderin						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	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	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 1.5	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
POLY 6	P=0.416N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.075N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Intestine Large, Rectum						
Parasite Metazoan						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Accumulation Hyaline Droplet						
LESION RATES						
OVERALL(a)	3/10 (30%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/10.00	1/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	30%	0%	10%	10%	0%	0%
TERMINAL (d)	3/10 (30%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	94(T)	94(T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.083N	P=0.095N	P=0.292N	P=0.292N	P=0.095N	P=0.095N
POLY 1.5	P=0.083N	P=0.095N	P=0.292N	P=0.292N	P=0.095N	P=0.095N
POLY 6	P=0.083N	P=0.095N	P=0.292N	P=0.292N	P=0.095N	P=0.095N
COCH-ARM / FISHERS	P=0.089N	P=0.105N	P=0.291N	P=0.291N	P=0.105N	P=0.105N
MAX-ISO-POLY-3	P=0.011N*	P=0.025N*	P=0.138N	P=0.138N	P=0.025N*	P=0.025N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Glomerulopathy Hyaline						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.227	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.227	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.227	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.237	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.067	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Infiltration Cellular Lymphocyte						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00	1/10.00	1/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	10%	10%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	94(T)	94(T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.281N	P=0.500N	P=0.760	P=0.760	P=0.500N	P=0.500N
POLY 1.5	P=0.281N	P=0.500N	P=0.760	P=0.760	P=0.500N	P=0.500N
POLY 6	P=0.281N	P=0.500N	P=0.760	P=0.760	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=0.276N	P=0.500N	P=0.763N	P=0.763N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.291N	P=0.159N	P=1.000	P=1.000	P=0.159N	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Mineralization						
LESION RATES						
OVERALL(a)	6/10 (60%)	8/10 (80%)	8/10 (80%)	7/10 (70%)	9/10 (90%)	7/10 (70%)
POLY-3 RATE (b)	6/10.00	8/10.00	8/10.00	7/10.00	9/10.00	7/10.00
POLY-3 PERCENT (g)	60%	80%	80%	70%	90%	70%
TERMINAL (d)	6/10 (60%)	8/10 (80%)	8/10 (80%)	7/10 (70%)	9/10 (90%)	7/10 (70%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.511	P=0.318	P=0.318	P=0.500	P=0.148	P=0.500
POLY 1.5	P=0.511	P=0.318	P=0.318	P=0.500	P=0.148	P=0.500
POLY 6	P=0.511	P=0.318	P=0.318	P=0.500	P=0.148	P=0.500
COCH-ARM / FISHERS	P=0.511	P=0.314	P=0.314	P=0.500	P=0.152	P=0.500
MAX-ISO-POLY-3	P=0.289	P=0.172	P=0.172	P=0.327	P=0.059	P=0.327
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney: Renal Tubule						
Casts Protein						
LESION RATES						
OVERALL(a)	7/10 (70%)	4/10 (40%)	6/10 (60%)	6/10 (60%)	4/10 (40%)	10/10 (100%)
POLY-3 RATE (b)	7/10.00	4/10.00	6/10.00	6/10.00	4/10.00	10/10.00
POLY-3 PERCENT (g)	70%	40%	60%	60%	40%	100%
TERMINAL (d)	7/10 (70%)	4/10 (40%)	6/10 (60%)	6/10 (60%)	4/10 (40%)	10/10 (100%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.031*	P=0.186N	P=0.500N	P=0.500N	P=0.186N	P=0.095
POLY 1.5	P=0.031*	P=0.186N	P=0.500N	P=0.500N	P=0.186N	P=0.095
POLY 6	P=0.031*	P=0.186N	P=0.500N	P=0.500N	P=0.186N	P=0.095
COCH-ARM / FISHERS	P=0.037*	P=0.185N	P=0.500N	P=0.500N	P=0.185N	P=0.105
MAX-ISO-POLY-3	P=0.024*	P=0.090N	P=0.327N	P=0.327N	P=0.090N	P=0.025*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney: Renal Tubule Regeneration						
LESION RATES						
OVERALL(a)	9/10 (90%)	9/10 (90%)	10/10 (100%)	10/10 (100%)	3/10 (30%)	9/10 (90%)
POLY-3 RATE (b)	9/10.00	9/10.00	10/10.00	10/10.00	3/10.00	9/10.00
POLY-3 PERCENT (g)	90%	90%	100%	100%	30%	90%
TERMINAL (d)	9/10 (90%)	9/10 (90%)	10/10 (100%)	10/10 (100%)	3/10 (30%)	9/10 (90%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.086N	P=0.760	P=0.500	P=0.500	P=0.003N**	P=0.760
POLY 1.5	P=0.086N	P=0.760	P=0.500	P=0.500	P=0.003N**	P=0.760
POLY 6	P=0.086N	P=0.760	P=0.500	P=0.500	P=0.003N**	P=0.760
COCH-ARM / FISHERS	P=0.137N	P=0.763N	P=0.500	P=0.500	P=0.010N**	P=0.763N
MAX-ISO-POLY-3	P=0.008N**	P=1.000	P=0.159	P=0.159	P=0.001N**	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Basophilic Focus						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL(a)	0/10 (0%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	2/10.00	2/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	20%	20%	20%	0%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	94(T)	94(T)	94(T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.153N	P=0.227	P=0.227	P=0.227	(e)	(e)
POLY 1.5	P=0.153N	P=0.227	P=0.227	P=0.227	(e)	(e)
POLY 6	P=0.153N	P=0.227	P=0.227	P=0.227	(e)	(e)
COCH-ARM / FISHERS	P=0.154N	P=0.237	P=0.237	P=0.237	(e)	(e)
MAX-ISO-POLY-3	P=0.239N	P=0.067	P=0.067	P=0.067	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	1/10.00	1/10.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%	10%	10%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	94(T)	---	---	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.381	P=0.500N	P=0.500N	P=0.760	P=0.760	P=0.760
POLY 1.5	P=0.381	P=0.500N	P=0.500N	P=0.760	P=0.760	P=0.760
POLY 6	P=0.381	P=0.500N	P=0.500N	P=0.760	P=0.760	P=0.760
COCH-ARM / FISHERS	P=0.377	P=0.500N	P=0.500N	P=0.763N	P=0.763N	P=0.763N
MAX-ISO-POLY-3	P=0.514	P=0.159N	P=0.159N	P=1.000	P=1.000	P=1.000
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Mineralization						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.233	(e)	(e)	P=0.500	(e)	P=0.500
POLY 1.5	P=0.233	(e)	(e)	P=0.500	(e)	P=0.500
POLY 6	P=0.233	(e)	(e)	P=0.500	(e)	P=0.500
COCH-ARM / FISHERS	P=0.229	(e)	(e)	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.202	(e)	(e)	P=0.159	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Pigmentation						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	P=0.107	(e)	(e)	(e)	(e)	P=0.500
POLY 6	P=0.107	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.075	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Bile Duct						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.000**	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.000**	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.000**	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.000**	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Hepatocyte Hypertrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Hepatocyte						
Necrosis Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Oval Cell						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Periportal Fibrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Serosa						
Fibrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Lung						
Infiltration Cellular Histiocyte						
LESION RATES						
OVERALL(a)	6/10 (60%)	0/10 (0%)	5/10 (50%)	4/10 (40%)	2/10 (20%)	8/10 (80%)
POLY-3 RATE (b)	6/10.00	0/10.00	5/10.00	4/10.00	2/10.00	8/10.00
POLY-3 PERCENT (g)	60%	0%	50%	40%	20%	80%
TERMINAL (d)	6/10 (60%)	0/10 (0%)	5/10 (50%)	4/10 (40%)	2/10 (20%)	8/10 (80%)
FIRST INCIDENCE	94(T)	---	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.025*	P=0.001N**	P=0.500N	P=0.333N	P=0.077N	P=0.318
POLY 1.5	P=0.025*	P=0.001N**	P=0.500N	P=0.333N	P=0.077N	P=0.318
POLY 6	P=0.025*	P=0.001N**	P=0.500N	P=0.333N	P=0.077N	P=0.318
COCH-ARM / FISHERS	P=0.039*	P=0.005N**	P=0.500N	P=0.328N	P=0.085N	P=0.314
MAX-ISO-POLY-3	P=0.010**	P=0.000N**	P=0.334N	P=0.194N	P=0.029N*	P=0.172
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Lung: Interstitium						
Infiltration Cellular Lymphocyte						
LESION RATES						
OVERALL(a)	7/10 (70%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)	1/10 (10%)
POLY-3 RATE (b)	7/10.00	0/10.00	0/10.00	1/10.00	2/10.00	1/10.00
POLY-3 PERCENT (g)	70%	0%	0%	10%	20%	10%
TERMINAL (d)	7/10 (70%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)	1/10 (10%)
FIRST INCIDENCE	94(T)	---	---	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.107N	P=0.000N**	P=0.000N**	P=0.003N**	P=0.024N*	P=0.003N**
POLY 1.5	P=0.107N	P=0.000N**	P=0.000N**	P=0.003N**	P=0.024N*	P=0.003N**
POLY 6	P=0.107N	P=0.000N**	P=0.000N**	P=0.003N**	P=0.024N*	P=0.003N**
COCH-ARM / FISHERS	P=0.153N	P=0.002N**	P=0.002N**	P=0.010N**	P=0.035N*	P=0.010N**
MAX-ISO-POLY-3	P=0.000N**	P=0.000N**	P=0.000N**	P=0.001N**	P=0.007N**	P=0.001N**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Lymph Node, Mesenteric						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Pancreas						
Basophilic Focus						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Pituitary Gland: Chromophobe CL						
Hyperplasia						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Preputial Gland						
Infiltration Cellular Mononuclear CI						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Preputial Gland Inflammation						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Preputial Gland						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.227
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.227
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.132	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.067
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Prostate Inflammation						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Salivary Glands						
Metaplasia Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Stomach, Glandular Mineralization						
LESION RATES						
OVERALL(a)	5/10 (50%)	3/10 (30%)	5/10 (50%)	2/10 (20%)	3/10 (30%)	9/10 (90%)
POLY-3 RATE (b)	5/10.00	3/10.00	5/10.00	2/10.00	3/10.00	9/10.00
POLY-3 PERCENT (g)	50%	30%	50%	20%	30%	90%
TERMINAL (d)	5/10 (50%)	3/10 (30%)	5/10 (50%)	2/10 (20%)	3/10 (30%)	9/10 (90%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.011*	P=0.329N	P=0.664	P=0.174N	P=0.329N	P=0.061
POLY 1.5	P=0.011*	P=0.329N	P=0.664	P=0.174N	P=0.329N	P=0.061
POLY 6	P=0.011*	P=0.329N	P=0.664	P=0.174N	P=0.329N	P=0.061
COCH-ARM / FISHERS	P=0.016*	P=0.325N	P=0.672N	P=0.175N	P=0.325N	P=0.070
MAX-ISO-POLY-3	P=0.008**	P=0.189N	P=1.000	P=0.080N	P=0.189N	P=0.020*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Testes: Germinal Epith Degeneration						
LESION RATES						
OVERALL(a)	0/10 (0%)	2/2 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/2.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	2/2 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	94(T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	P=NA	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=NA	(e)	(e)	(e)	(e)
POLY 6	(e)	P=NA	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.206N	P=0.015*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P=0.000**	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Thymus						
Atrophy						
LESION RATES						
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	0/10.00	1/10.00	1/10.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	10%	10%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
FIRST INCIDENCE	94(T)	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.227N	P=0.500N	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.227N	P=0.500N	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.227N	P=0.500N	P=0.500N
COCH-ARM / FISHERS	P=1.000N	(e)	(e)	P=0.237N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.067N	P=0.274N	P=0.274N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Thyroid Gland						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Urinary Bladder						
Infiltration Cellular						
LESION RATES						
OVERALL(a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	0%	0%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.479N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.479N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479N
COCH-ARM / FISHERS	P=0.285N	(e)	(e)	(e)	(e)	P=0.474N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.152N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Urinary Bladder						
Mineralization						
LESION RATES						
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.323	(e)	(e)	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Adrenal Cortex						
Accessory Adrenal Cortical Nodule						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Adrenal Cortex: Capsule						
Fibrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Bone Marrow						
Hyperplasia						
LESION RATES						
OVERALL(a)	1/10 (10%)	1/10 (10%)	1/10 (10%)	1/10 (10%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	1/10.00	1/10.00	1/10.00	1/10.00	10/10.00	9/10.00
POLY-3 PERCENT (g)	10%	10%	10%	10%	100%	90%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	1/10 (10%)	1/10 (10%)	10/10 (100%)	8/9 (89%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	9
STATISTICAL TESTS						
POLY 3	P=0.000**	P=0.760	P=0.760	P=0.760	P=0.000**	P=0.000**
POLY 1.5	P=0.000**	P=0.760	P=0.760	P=0.760	P=0.000**	P=0.000**
POLY 6	P=0.000**	P=0.760	P=0.760	P=0.760	P=0.000**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.763N	P=0.763N	P=0.763N	P=0.000**	P<0.001**
MAX-ISO-POLY-3	P=0.000**	P=1.000	P=1.000	P=1.000	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Brain: Cerebellum						
Dysplasia						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.521N
POLY 1.5	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.520N
POLY 6	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.521N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.107N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.185N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Clitoral Gland						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.479
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.480
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Esophagus						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.521N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.520N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.521N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.185N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Eye						
Inflammation Acute						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Harderian Gland						
Inflammation Acute						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL(a)	6/10 (60%)	3/10 (30%)	0/10 (0%)	4/10 (40%)	5/10 (50%)	2/10 (20%)
POLY-3 RATE (b)	6/10.00	3/10.00	0/10.00	4/10.00	5/10.00	2/9.00
POLY-3 PERCENT (g)	60%	30%	0%	40%	50%	22.2%
TERMINAL (d)	6/10 (60%)	3/10 (30%)	0/10 (0%)	4/10 (40%)	5/10 (50%)	2/9 (22%)
FIRST INCIDENCE	94(T)	94(T)	---	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.411N	P=0.186N	P=0.001N**	P=0.333N	P=0.500N	P=0.111N
POLY 1.5	P=0.408N	P=0.186N	P=0.001N**	P=0.333N	P=0.500N	P=0.109N
POLY 6	P=0.411N	P=0.186N	P=0.001N**	P=0.333N	P=0.500N	P=0.111N
COCH-ARM / FISHERS	P=0.339N	P=0.185N	P=0.005N**	P=0.328N	P=0.500N	P=0.085N
MAX-ISO-POLY-3	P=0.082N	P=0.090N	P=0.000N**	P=0.194N	P=0.334N	P=0.053N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Heart						
Mineralization						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.098	(e)	(e)	(e)	(e)	P=0.479
POLY 1.5	P=0.098	(e)	(e)	(e)	(e)	P=0.480
POLY 6	P=0.098	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.158
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Heart: Myocardium						
Pigmentation Hemosiderin						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Intestine Large, Rectum						
Parasite Metazoan						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 2 WEEKS

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Accumulation Hyaline Droplet						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Glomerulopathy Hyaline						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	8/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	88.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	8/9 (89%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 2 WEEKS

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Infiltration Cellular Lymphocyte						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Mineralization						
LESION RATES						
OVERALL(a)	6/10 (60%)	10/10 (100%)	9/10 (90%)	9/10 (90%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	6/10.00	10/10.00	9/10.00	9/10.00	10/10.00	9/10.00
POLY-3 PERCENT (g)	60%	100%	90%	90%	100%	90%
TERMINAL (d)	6/10 (60%)	10/10 (100%)	9/10 (90%)	9/10 (90%)	10/10 (100%)	8/9 (89%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	9
STATISTICAL TESTS						
POLY 3	P=0.218	P=0.033*	P=0.148	P=0.148	P=0.033*	P=0.148
POLY 1.5	P=0.218	P=0.033*	P=0.148	P=0.148	P=0.033*	P=0.148
POLY 6	P=0.218	P=0.033*	P=0.148	P=0.148	P=0.033*	P=0.148
COCH-ARM / FISHERS	P=0.228	P=0.043*	P=0.152	P=0.152	P=0.043*	P=0.152
MAX-ISO-POLY-3	P=0.009**	P=0.007**	P=0.059	P=0.059	P=0.007**	P=0.059
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney						
Nephropathy						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/10.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.098	(e)	(e)	(e)	(e)	P=0.479
POLY 1.5	P=0.098	(e)	(e)	(e)	(e)	P=0.480
POLY 6	P=0.098	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.074	(e)	(e)	(e)	(e)	P=0.158
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney: Renal Tubule						
Casts Protein						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	6/10 (60%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	0/10.00	2/10.00	6/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	20%	66.7%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	6/9 (67%)
FIRST INCIDENCE	94(T)	---	---	---	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	P=0.500N	P=0.500N	P=0.500N	P=0.500	P=0.008**
POLY 1.5	P=0.000**	P=0.500N	P=0.500N	P=0.500N	P=0.500	P=0.008**
POLY 6	P=0.000**	P=0.500N	P=0.500N	P=0.500N	P=0.500	P=0.008**
COCH-ARM / FISHERS	P=0.000**	P=0.500N	P=0.500N	P=0.500N	P=0.500	P=0.029*
MAX-ISO-POLY-3	P=0.000**	P=0.159N	P=0.159N	P=0.159N	P=0.274	P=0.003**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Kidney: Renal Tubule Regeneration						
LESION RATES						
OVERALL(a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	0/10.00	0/9.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	94(T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.471N	P=0.500	(e)	(e)	(e)	(e)
POLY 1.5	P=0.472N	P=0.500	(e)	(e)	(e)	(e)
POLY 6	P=0.471N	P=0.500	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.488N	P=0.500	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.401N	P=0.159	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Basophilic Focus						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.521N
POLY 1.5	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.520N
POLY 6	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.521N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.107N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.185N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Hepatodiaphragmatic Nodule						
LESION RATES						
OVERALL(a)	1/10 (10%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	2/10.00	2/10.00	2/10.00	0/10.00	1/9.00
POLY-3 PERCENT (g)	10%	20%	20%	20%	0%	11.1%
TERMINAL (d)	1/10 (10%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	0/10 (0%)	1/9 (11%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.328N	P=0.500	P=0.500	P=0.500	P=0.500N	P=0.737
POLY 1.5	P=0.328N	P=0.500	P=0.500	P=0.500	P=0.500N	P=0.738
POLY 6	P=0.328N	P=0.500	P=0.500	P=0.500	P=0.500N	P=0.737
COCH-ARM / FISHERS	P=0.306N	P=0.500	P=0.500	P=0.500	P=0.500N	P=0.763N
MAX-ISO-POLY-3	P=0.441N	P=0.274	P=0.274	P=0.274	P=0.159N	P=0.472
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Inflammation Chronic						
LESION RATES						
OVERALL(a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	0/10.00	0/9.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	94(T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.471N	P=0.500	(e)	(e)	(e)	(e)
POLY 1.5	P=0.472N	P=0.500	(e)	(e)	(e)	(e)
POLY 6	P=0.471N	P=0.500	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.488N	P=0.500	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.401N	P=0.159	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Mineralization						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 2 WEEKS

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver						
Pigmentation						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 2 WEEKS

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Bile Duct						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	9/9 (100%)
FIRST INCIDENCE	---	---	---	---	94(T)	9
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	P=0.500	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	P=0.500	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	P=0.500	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	P=0.500	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	P=0.159	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Hepatocyte Hypertrophy						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/9 (100%)
FIRST INCIDENCE	---	---	---	---	---	9
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	(e)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:11

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 2 WEEKS

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Hepatocyte						
Necrosis Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Oval Cell						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	9/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/9 (100%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Periportal Fibrosis						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	9/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/9 (100%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
POLY 6	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	(e)	(e)	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Liver: Serosa						
Fibrosis						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.521N
POLY 1.5	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.520N
POLY 6	P=0.395N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.521N
COCH-ARM / FISHERS	P=0.415N	P=0.500N	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.107N	P=0.159N	P=0.159N	P=0.159N	P=0.159N	P=0.185N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Lung						
Infiltration Cellular Histiocyte						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)	6/10 (60%)
POLY-3 RATE (b)	1/10.00	0/10.00	0/10.00	2/10.00	2/10.00	6/9.00
POLY-3 PERCENT (g)	10%	0%	0%	20%	20%	66.7%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)	6/9 (67%)
FIRST INCIDENCE	94(T)	---	---	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	P=0.500N	P=0.500N	P=0.500	P=0.500	P=0.008**
POLY 1.5	P=0.000**	P=0.500N	P=0.500N	P=0.500	P=0.500	P=0.008**
POLY 6	P=0.000**	P=0.500N	P=0.500N	P=0.500	P=0.500	P=0.008**
COCH-ARM / FISHERS	P=0.000**	P=0.500N	P=0.500N	P=0.500	P=0.500	P=0.029*
MAX-ISO-POLY-3	P=0.000**	P=0.159N	P=0.159N	P=0.274	P=0.274	P=0.003**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Lung: Interstitium						
Infiltration Cellular Lymphocyte						
LESION RATES						
OVERALL(a)	4/10 (40%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	4/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.030N*	P=0.033N*	P=0.033N*	P=0.033N*	P=0.033N*	P=0.045N*
POLY 1.5	P=0.030N*	P=0.033N*	P=0.033N*	P=0.033N*	P=0.033N*	P=0.045N*
POLY 6	P=0.030N*	P=0.033N*	P=0.033N*	P=0.033N*	P=0.033N*	P=0.045N*
COCH-ARM / FISHERS	P=0.058N	P=0.043N*	P=0.043N*	P=0.043N*	P=0.043N*	P=0.043N*
MAX-ISO-POLY-3	P=0.000N**	P=0.007N**	P=0.007N**	P=0.007N**	P=0.007N**	P=0.015N*
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Lymph Node, Mesenteric						
Necrosis Lymphoid						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Ovary						
Cyst						
LESION RATES						
OVERALL(a)	1/10 (10%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	3/10 (30%)	6/10 (60%)
POLY-3 RATE (b)	1/10.00	2/10.00	2/10.00	2/10.00	3/10.00	6/9.00
POLY-3 PERCENT (g)	10%	20%	20%	20%	30%	66.7%
TERMINAL (d)	1/10 (10%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	3/10 (30%)	6/9 (67%)
FIRST INCIDENCE	94(T)	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.003**	P=0.500	P=0.500	P=0.500	P=0.292	P=0.008**
POLY 1.5	P=0.003**	P=0.500	P=0.500	P=0.500	P=0.292	P=0.008**
POLY 6	P=0.003**	P=0.500	P=0.500	P=0.500	P=0.292	P=0.008**
COCH-ARM / FISHERS	P=0.006**	P=0.500	P=0.500	P=0.500	P=0.291	P=0.029*
MAX-ISO-POLY-3	P=0.005**	P=0.274	P=0.274	P=0.274	P=0.138	P=0.003**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Pancreas						
Basophilic Focus						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:11
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Pituitary Gland: Chromophobe CL						
Hyperplasia						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:12
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Salivary Glands						
Metaplasia Focal						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:12
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Stomach, Glandular Mineralization						
LESION RATES						
OVERALL(a)	0/10 (0%)	3/10 (30%)	2/10 (20%)	2/10 (20%)	6/10 (60%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	3/10.00	2/10.00	2/10.00	6/10.00	7/9.00
POLY-3 PERCENT (g)	0%	30%	20%	20%	60%	77.8%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	2/10 (20%)	2/10 (20%)	6/10 (60%)	7/9 (78%)
FIRST INCIDENCE	---	94(T)	94(T)	94(T)	94(T)	94(T)
STATISTICAL TESTS						
POLY 3	P=0.000**	P=0.095	P=0.227	P=0.227	P<0.001**	P=0.000**
POLY 1.5	P=0.000**	P=0.095	P=0.227	P=0.227	P<0.001**	P=0.000**
POLY 6	P=0.000**	P=0.095	P=0.227	P=0.227	P<0.001**	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.105	P=0.237	P=0.237	P=0.005**	P=0.002**
MAX-ISO-POLY-3	P=0.000**	P=0.025*	P=0.067	P=0.067	P=0.000**	P=0.000**
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:12
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Thymus						
Atrophy						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/10.00	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.500N	P=0.521N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.500N	P=0.520N
POLY 6	(e)	(e)	(e)	(e)	P=0.500N	P=0.521N
COCH-ARM / FISHERS	P=0.267N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.159N	P=0.185N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
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 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Thyroid Gland						
Cyst						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	---	---	94(T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.479
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.480
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.479
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:12

First Dose M/F: NA / NA

Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 2 WEEKS

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Urinary Bladder						
Infiltration Cellular						
LESION RATES						
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:12
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Urinary Bladder Mineralization						
LESION RATES						
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/9.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.521N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.520N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.521N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.185N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

Experiment Number: 99020-03
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Pulegone
 CAS Number: 89-82-7

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:12
 First Dose M/F: NA / NA
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 2 WEEKS**

DOSE	FEMALE					
	0 MG/KG	9.375 MG/KG	18.75 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Uterus						
Dilatation						
LESION RATES						
OVERALL(a)	2/10 (20%)	0/10 (0%)	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	0/9.00
POLY-3 PERCENT (g)	20%	0%	0%	0%	0%	0%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)
FIRST INCIDENCE	94(T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.183N	P=0.227N	P=0.227N	P=0.227N	P=0.227N	P=0.252N
POLY 1.5	P=0.183N	P=0.227N	P=0.227N	P=0.227N	P=0.227N	P=0.251N
POLY 6	P=0.183N	P=0.227N	P=0.227N	P=0.227N	P=0.227N	P=0.252N
COCH-ARM / FISHERS	P=0.203N	P=0.237N	P=0.237N	P=0.237N	P=0.237N	P=0.237N
MAX-ISO-POLY-3	P=0.017N*	P=0.067N	P=0.067N	P=0.067N	P=0.067N	P=0.090N
HISTCONT SAME RTE						
HISTCONT ALL RTES						
CURR VS HC SAME RTE						
CURR VS HC ALL RTES						

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Species/Strain: Rat/F 344/N

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (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 ****