

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/20/2014
Time Report Requested: 05:21:06
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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Test Compound: Pulegone

Time Report Requested: 05:21:06

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Parasite Metazoan								X			1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active				1							1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization			1	1			1		1	1	5 1.0

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	2	1		1	1	1	1	1	1	1	9 1.1
Mineralization	1										1 1.0
Myocardium, Pigmentation, Hemosiderin									1		1 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

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2) Mild 4) Marked

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10		
Capsule, Fibrosis						1						1	1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10		
Chromophobe CL, Hyperplasia						1						1	1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10		

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Suppurative							1					1	1.0
Prostate	+	+	+	+	+	+	+	+	+	+	10		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10		
Testes	+	+	+	+	+	+	+	+	+	+	10		

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10		
Hyperplasia			1					1	1			3	1.0

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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
Hyperplasia			1					1	1		3 1.0
Lymph Node					+						1
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy					1		2				2 1.5
Integumentary System											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte	1	1		1	1	1				1	6 1.0
Interstitial, Infiltration Cellular, Lymphocyte	1				1	1	1	1	1	1	7 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

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Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Special Senses System

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Accumulation, Hyaline Droplet			1					1		1	3 1.0
Infiltration Cellular, Lymphocyte				1							1 1.0
Mineralization		1		1			1	1	1	1	6 1.0
Renal Tubule, Casts Protein	1			1	1	1	1	1	1		7 1.0
Renal Tubule, Regeneration		1	1	1	1	1	1	1	1	1	9 1.0
Urinary Bladder	+	+	+	I	+	+	+	+	+	+	9
Infiltration Cellular									1		1 1.0

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Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:07

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
9.375 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatodiaphragmatic Nodule								X	X		2	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Mineralization			1			1		1			3	1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1	1	1	1	1			1	2	1	8	1.1

Endocrine System

NONE

General Body System

NONE

Genital System

Testes					+		+				2	
Germinal Epith, Degeneration					3		2				2	2.5

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia				1							1	1.0

Integumentary System

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Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
9.375 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

*TOTALS

NONE
Musculoskeletal System

NONE
Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
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Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

Special Senses System

NONE
Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1		1	1	1	1	1		1	1	8 1.0
Renal Tubule, Casts Protein						2		1	2	1	4 1.5
Renal Tubule, Regeneration		1	1	1	1	1	1	1	1	1	9 1.0

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:07
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Male
18.75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule					X				X		2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization						3	2	2	1	1	5 1.8

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy		1	1	1	1	1	2	1		1	8 1.1

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia				1		1		1	1	1	5 1.0

Integumentary System

NONE

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X ..Lesion present

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Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
18.75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Musculoskeletal System

NONE

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte		1		1		1	1	1			5 1.0

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Accumulation, Hyaline Droplet		1									1 1.0
Infiltration Cellular, Lymphocyte		1									1 1.0
Mineralization			1	1	1	1	1	1	1	1	8 1.0
Renal Tubule, Casts Protein		1	1	1	1	1			1		6 1.0
Renal Tubule, Regeneration	1	1	1	1	1	1	1	1	1	1	10 1.0

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Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:07

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
37.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X		X						2
Inflammation, Chronic Active					1						1 1.0
Mineralization			1								1 1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1								1		2 1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	1	1	1	1	1	1	1	1		1	9 1.0
Mineralization									1		1 1.0

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	----

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Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
37.5 MG/KG

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	4	4	4	4	4	4	4	4	4	4		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	4		
	1	2	3	4	5	6	7	8	9	0	*TOTALS	
Hyperplasia	1	2	1	1		1	1	1	1	2	9	1.2
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Integumentary System												
NONE												
Musculoskeletal System												
NONE												
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Respiratory System												
Lung	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Histiocyte	1					1	1	1			4	1.0
Interstitialium, Infiltration Cellular, Lymphocyte		1									1	1.0
Special Senses System												
NONE												
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Accumulation, Hyaline Droplet						1					1	1.0
Infiltration Cellular, Lymphocyte		1									1	1.0
Mineralization	1	1	1	1	1	1				1	7	1.0

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Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
37.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										
Renal Tubule, Casts Protein	1	1		1				1	1	1	6 1.0
Renal Tubule, Regeneration	1	1	1	1	1	1	1	1	1	1	10 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Bile Duct, Hyperplasia	1	1	1		1	1	1	1	1	1	9	1.0
Hepatocyte, Hypertrophy	1	1	1	1	1	1	1	1	1	1	10	1.0
Inflammation, Chronic Active										1	1	1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Mineralization			1				1			1	3	1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy		1	1	1	1	1	1			1	7	1.0

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia	3	1	1	2	2	1	2	2	3	2	10	1.9

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Thymus	+	+	+	+	+	+	+	+	+	+	10		
Atrophy			1									1	1.0
Integumentary System													
NONE													
Musculoskeletal System													
NONE													
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	10		
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Histiocyte						1				1	2	1.0	
Interstitial, Infiltration Cellular, Lymphocyte						1				1	2	1.0	
Special Senses System													
NONE													
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	10		
Glomerulopathy, Hyaline					1					1	2	1.0	
Mineralization	1	1	1	1	1	1	1	1	1		9	1.0	
Renal Tubule, Casts Protein					1	1	1			1	4	1.0	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:07

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Renal Tubule, Regeneration	1						1	1			3 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
150 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Bile Duct, Hyperplasia	2	2	2	2	2	2	2	2	2	2	10 2.0
Hepatocyte, Hypertrophy	2	2	1	2	2	2	2	2	2	2	10 1.9
Hepatocyte, Necrosis, Focal			1	1	1		1	1	1		6 1.0
Inflammation, Chronic Active			2								1 2.0
Mineralization			1								1 1.0
Oval Cell, Hyperplasia	1	1	1	1	1	1	1	1	1	1	10 1.0
Periportal, Fibrosis	1	1	1	1	1	1	1	1	1	1	10 1.0
Pigmentation			1								1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Basophilic Focus									1		1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Metaplasia, Squamous, Focal			1								1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
150 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		
Mineralization			1	2	1	1	1	1	1	1	9	1.1	
Cardiovascular System													
Blood Vessel	+	+	+	+	+	+	+	+	+	+	10		
Heart	+	+	+	+	+	+	+	+	+	+	10		
Cardiomyopathy	1	1	1		1		1		1	1	7	1.0	
Mineralization	1		1		1	1	1		1		6	1.0	
Endocrine System													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10		
Accessory Adrenal Cortical Nodule					1						1	1.0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	9		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10		
Cyst								X			1		
General Body System													
NONE													
Genital System													
Epididymis	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Granulomatous						2					1	2.0	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:07

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
150 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Inflammation, Granulomatous						2					1	2.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mononuclear CI					1						1	1.0
Inflammation, Chronic Active		1		1							2	1.0
Prostate	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Suppurative			1								1	1.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10	
Testes	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic System												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia	2	2	3	3	3	3	2	3	3	3	10	2.7
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Necrosis, Lymphoid					1						1	1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	1										1	1.0
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Musculoskeletal System												

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:08

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
150 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte		1	1	1	1	1	1		1	1	8 1.0
Interstitial, Infiltration Cellular, Lymphocyte		1									1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Acute		1									1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Acute		1									1 1.0
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Glomerulopathy, Hyaline		1	1	1	1	1	1	1	1	1	10 1.0
Mineralization		1	1	1	1		1			1	7 1.0
Renal Tubule, Casts Protein		2	3	1	3	3	3	3	3	3	10 2.7
Renal Tubule, Regeneration			1	1	1	1	1	1	1	1	9 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
150 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Mineralization				1							1 1.0

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	7	7
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic											1	1	1.0
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10		
Liver	+	+	+	+	+	+	+	+	+	+	10		
Basophilic Focus			X									1	
Hepatodiaphragmatic Nodule			X									1	
Serosa, Fibrosis										1		1	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10		
Heart	+	+	+	+	+	+	+	+	+	+	10		
Cardiomyopathy	1		1		1		1	1		1		6	1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:08

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	7	7
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst						X					1
Uterus	+	+	+	+	+	+	+	+	+	+	10
Dilatation				2				3			2 2.5

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia	1										1 1.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
0 MG/KG

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy										2	1 2.0
Integumentary System											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+		+	+	+	+	+	9
Brain, Cerebellum					+						1
Dysplasia					2						1 2.0
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Histiocyte								1			1 1.0
Interstitial, Infiltration Cellular, Lymphocyte	1	1			1			1			4 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:08
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 0 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	9	9	9	9	9	9	9	9	9	9	
ANIMAL ID	4	4	4	4	4	4	4	4	4	4	
	0	0	0	0	0	0	0	0	0	0	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1		1		1		1		1	1	6 1.0
Renal Tubule, Casts Protein	1										1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Mineralization					1						1 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
9.375 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X				X				2
Inflammation, Chronic Active								1			1 1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1		1	1							3 1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy		1	1					1			3 1.0

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst							X	X			2
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
9.375 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Hyperplasia											1	1	1.0
Integumentary System													
NONE													
Musculoskeletal System													
NONE													
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	10		
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	10		
Special Senses System													
NONE													
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	10		
Mineralization	1	1	1	1	1	1	1	1	1	1	10	1.0	
Renal Tubule, Regeneration							1				1	1.0	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
18.75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X					X			2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization								1	1		2 1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst								X	X		2
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia			1								1 1.0

Integumentary System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
18.75 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

*TOTALS

NONE										
Musculoskeletal System										
NONE										
Nervous System										
Brain	+	+	+	+	+	+	+	+	+	10
Respiratory System										
Lung	+	+	+	+	+	+	+	+	+	10
Special Senses System										
NONE										
Urinary System										
Kidney	+	+	+	+	+	+	+	+	+	10
Mineralization	1		1	1	1	1	1	1	1	9 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
37.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X				X				2
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1	1									2 1.0

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy			1					1	1	1	4 1.0

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst	X			X							2
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia				1							1 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
37.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

Brain

+ + + + + + + + + + 10

Respiratory System

Lung

+ + + + + + + + + + 10

Infiltration Cellular, Histiocyte

1 1 2 1.0

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + + + + + 10

Mineralization

1 1 1 1 1 1 1 1 1 1 9 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:08

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
75 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

Alimentary System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|----|-------|
| Liver | + | + | + | + | + | + | + | + | + | + | 10 | |
| Bile Duct, Hyperplasia | | | | | | | | | | | 1 | 1 1.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 | |
| Mineralization | 1 | | 1 | | | 1 | 1 | 1 | 1 | | 6 | 1.0 |

Cardiovascular System

| | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Heart | + | + | + | + | + | + | + | + | + | + | 10 | |
| Cardiomyopathy | 1 | 1 | | 1 | | | | 1 | | 1 | 5 | 1.0 |

Endocrine System

NONE

General Body System

NONE

Genital System

| | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|----|--|
| Ovary | + | + | + | + | + | + | + | + | + | + | 10 | |
| Cyst | | | | X | X | | X | | | | 3 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | 10 | |

Hematopoietic System

| | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 10 | |
| Hyperplasia | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 10 | 1.3 |

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/20/2014
 Time Report Requested: 05:21:08
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 75 MG/KG**

| | DAY ON TEST | | | | | | | | | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|----------------|-----|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 | | |
| Integumentary System | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | 10 | | |
| Respiratory System | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | 10 | | |
| Infiltration Cellular, Histiocyte | | | | 1 | | | | | | 1 | 2 | 1.0 | |
| Special Senses System | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 | | |
| Mineralization | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 | 1.0 | |
| Renal Tubule, Casts Protein | 1 | | 1 | | | | | | | | 2 | 1.0 | |

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 99020-03

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:08

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
150 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---------|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 4 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver | + | + | + | + | + | + | + | + | + | + | 10 |
| Bile Duct, Hyperplasia | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 10 1.7 |
| Hepatocyte, Hypertrophy | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 10 1.9 |
| Hepatodiaphragmatic Nodule | X | | | | | | | | | | 1 |
| Oval Cell, Hyperplasia | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 1.0 |
| Periportal, Fibrosis | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 1.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |
| Mineralization | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | | 7 1.0 |

Cardiovascular System

| | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart | + | + | + | + | + | + | + | + | + | + | 10 |

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99020-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 05:21:09

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
150 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 4 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

*TOTALS

| | | | | | | | | | | | | |
|----------------|---|---|--|--|--|--|--|--|--|--|---|-----|
| Cardiomyopathy | 1 | 1 | | | | | | | | | 2 | 1.0 |
| Mineralization | 1 | | | | | | | | | | 1 | 1.0 |

Endocrine System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | 10 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | 10 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | 10 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 10 | |
| Cyst | | | | | | | | | | X | 1 | |

General Body System

NONE

Genital System

| | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | 10 | |
| Inflammation, Chronic Active | | | | | | | | | | 1 | 1 | 1.0 |
| Ovary | + | + | + | + | + | + | + | + | + | + | 10 | |
| Cyst | | | | X | X | X | X | X | | X | 6 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | 10 | |

Hematopoietic System

| | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 10 | |
| Hyperplasia | 2 | 2 | 1 | 2 | | 2 | 2 | 2 | 2 | 2 | 9 | 1.9 |

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+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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Date Report Requested: 10/20/2014

Test Type: 90-DAY

Test Compound: Pulegone

Time Report Requested: 05:21:09

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
150 MG/KG

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---------|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 4 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | |

| | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Hyperplasia | 2 | 2 | 1 | 2 | | 2 | 2 | 2 | 2 | 2 | 9 | 1.9 |
| Lymph Node, Mandibular | M | M | M | M | M | M | M | M | M | M | 0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | 10 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 | |
| Integumentary System | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 10 | |
| Skin | + | + | + | + | + | + | + | + | + | + | 10 | |
| Musculoskeletal System | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | 10 | |
| Nervous System | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | 10 | |
| Respiratory System | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | 10 | |
| Infiltration Cellular, Histiocyte | 1 | | 1 | | 1 | | 1 | 1 | | 1 | 6 | 1.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | 10 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 | |
| Special Senses System | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | 10 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | 10 | |

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Time Report Requested: 05:21:09

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
150 MG/KG

| | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 9 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 4 | 9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |

Urinary System

| | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
| Glomerulopathy, Hyaline | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 8 1.0 |
| Mineralization | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 9 1.1 |
| Nephropathy | | | | | | | | | | 1 | 1 1.0 |
| Renal Tubule, Casts Protein | 1 | | 1 | 1 | 1 | | 1 | | | 1 | 6 1.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |

** END OF REPORT **

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