Test Type: 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

C Number: C99021

Lock Date: 01/24/2002

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Male VEHICLE CONTROL	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7				
	ANIMAL ID	0 0 0 0	0 0 0 0 2	00003	0 0 0 0 4	00005	*TC	ЭΤΑ	LS	
Alimentary System										
Esophagus		+	+	+	+	+	5			
Intestine Large, Cecum		+	+	+	+	+	5			
Intestine Large, Colon		+	+	+	+	+	5			
Intestine Large, Rectum		+	+	+	+	+	5			
Intestine Small, Duodenum		+	+	+	+	+	5			
Intestine Small, Ileum		+	+	+	+	+	5			
Intestine Small, Jejunum		+	+	+	+	+	5			
Liver		+	+	+	+	+	5			
Pancreas		+	+	+	+	+	5			
Infiltration Cellular, Lympho	cyte, Focal				1			1	1.0	
Salivary Glands		+	+	+	+	+	5			
Stomach, Forestomach		+	+	+	+	+	5			
Stomach, Glandular		+	+	+	+	+	5			
Cardiovascular System										
Blood Vessel		+	+	+	+	+	5			
Heart		+	+	+	+	+	5			
Endocrine System										
Adrenal Cortex		+	+	+	+	+	5			
Adrenal Medulla		+	+	+	+	+	5			
Islets, Pancreatic		+	+	+	+	+	5			

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 0 0	0 0 1 7 0 0 0 0 0	0 0 1 7 0 0 0 0 0 3	0 0 1 7 0 0 0 0 0 4	0 0 1 7 0 0 0 0 0 5	*TOTALS
Parathyroid Gland		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE							
Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	М	+	М	3
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

^{1-4 ..}Lesion qualified as:

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Male	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	*TC	ТА	LS
Musculoskeletal System						-	_		
Bone Skeletal Muscle Nervous System		+	+	+	+	+	5 5		
Brain, NOS Peripheral Nerve, Sciatic Spinal Cord, Cervical Spinal Cord, Lumbar		+ + + + +	+ + + + +	+ + + + +	+ + + + +	+ + + + +	5 5 5		
Respiratory System		_	_	_	_		3		
Larynx Lung Perivascular, Infiltration Cellul Lymphocyte, Focal	ar,	+ + 1	+ + 1	 +	+	+	4 5	2	1.0
Nose Trachea		++	++	++	++	++	5 5		
Special Senses System									
Eye Harderian Gland Urinary System		+	+	+	+	+	5 5		
Kidney		+	+	+	+	+	5		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	0	0	0	0	0	
F 344/N Rat Male VEHICLE CONTROL		0 1 7	0 1 7	0 1 7	0 1 7	0 1 7	
VEHICLE CONTINGE	ANIMAL ID	0 0 0 0	0 0 0 0 2	0 0 0 0 3	0 0 0 0	0 0 0 0 5	*TOTALS
Urinary Bladder		+	+	+	+	+	5

+ ..Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY Test Compound: alpha-Thujone **CAS Number:** 546-80-5 Route: GAVAGE Species/Strain: Rat/F 344/N

F 344/N Rat Male MG/KG

DAY ON TEST	0	0	0	0	0
	<i>1</i> 7	<i>1</i> 7	1 7	1 7	1 7
ANIMAL ID	U	0	0	0	0
	0	0	1	1	1
	1	2	3	4	5

Alimentary System

Liver

2 1 2.0 Hepatodiaphragmatic Nodule

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

Bone

Nervous System

+ .. Tissue examined microscopically

M .. Missing tissue

*TOTALS

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 1.0 MG/KG	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
	ANIMAL ID	0 0 0 1 1	0 0 0 1 2	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	*T(АТС	LS
Brain, NOS			+				1		
Cerebrum, Developmental	Malformation		3					1	3.0
Cerebrum, Gliosis, Focal			2					1	2.0

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

F 344	/N	Rat	Male
3.0	M	G/K	G

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	2	2	2	2	2 5
	1	2	3	4	5

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node + Mediastinal, Congestion, Focal 1 1.0 1 3 3.0 Mediastinal, Hyperplasia

Integumentary System

NONE

Musculoskeletal System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

*TOTALS

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1) Minimal 3) Moderate

2) Mild

1-4 ..Lesion qualified as:

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY
Route: GAVAGE

Species/Strain: Rat/F 344/N

F 344/N Rat Male 3.0 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
AMINAL ID	0	0	0	0	0
	0	0	0	0	0
	2	2 2	2	2	2 5
	1	2	3	4	5

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Route: GAVAGE Species/Strain: Rat/F 344/N

Test Type: 14-DAY

DAY ON TEST

F 344/N Rat Male 10.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/15/2014

Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 10.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY

Route: GAVAGE

Test Compound: alpha-Thujone
CAS Number: 546-80-5

DAY ON TEST

F 344/N Rat Male 30.0 MG/KG

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY
Route: GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Male 30.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 100 MG/KG	DAY ON TEST	0 0 1 7 0 0 0 5 1	0 0 1 7 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 7 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TC	OΤΑ	LS	_
Alimentary System										
Esophagus		+	+	+	+	+	5			
Intestine Large, Cecum		+	+	+	+	+	5			
Intestine Large, Colon		+	+	+	+	+	5			
Intestine Large, Rectum		+	+	+	+	+	5			
Intestine Small, Duodenum		+	+	+	+	+	5			
Intestine Small, Ileum		+	+	+	+	+	5			
Intestine Small, Jejunum		+	+	+	+	+	5			
Liver		+	+	+	+	+	5			
Pancreas		+	+	+	+	+	5			
Infiltration Cellular, Lympho	cyte, Focal			1				1	1.0)
Salivary Glands		+	+	+	+	+	5			
Stomach, Forestomach		+	+	+	+	+	5			
Stomach, Glandular		+	+	+	+	+	5			
Cardiovascular System										
Blood Vessel		+	+	+	+	+	5			
Heart		+	+	+	+	+	5			
Endocrine System										
Adrenal Cortex		+	+	+	+	+	5			
Adrenal Medulla		+	+	+	+	+	5			
Islets, Pancreatic		+	+	+	+	+	5			

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

F 344/N Rat Male 100 MG/KG	DAY ON TEST	0 0 1 7 0 0 0 5 1	0 0 1 7 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 7 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TOTALS
Parathyroid Gland		+	+	+	M	+	4
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE							
Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		М	М	M	M	M	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	М	М	+	3
Skin		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Male 100 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 1	0 0 1 7 0 0 0 5 2	0 0 1 7 0 0 0 5 3	0 0 1 7 0 0 0 5 4	0 0 1 7 0 0 0 5 5	*TC	<u>)TA</u>	<u>LS</u>
Musculoskeletal System									
Bone		+	+	+	+	+	5		
Skeletal Muscle		+	+	+	+	+	5		
Nervous System									
Brain, NOS		+	+	+	+	+	5		
Peripheral Nerve, Sciatic		+	+	+	+	+	5		
Spinal Cord, Cervical		+	+	+	+	+	5		
Spinal Cord, Lumbar		+	+	+	+	+	5		
Respiratory System									
Larynx		+	I	I	I	I	1		
Lung		+	+	+	+	+	5		
Perivascular, Infiltration Cel Lymphocyte, Focal	llular,	1	1					2	1.0
Nose		+	+	+	+	+	5		
Trachea		+	+	+	+	+	5		
Special Senses System									
Eye		+	+	+	+	+	5		
Harderian Gland		+	+	+	+	+	5		
Urinary System									
Kidney		+	+	+	+	+	5		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

 $^{^{\}star}\,$.. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

Species/Strain: Rat/F 344/N

F 344/N Rat Male MG/KG

Urinary Bladder

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 546-80-5

Time Report Requested: 12:54:28

Date Report Requested: 10/15/2014

First Dose M/F: NA / NA

Lab: MBA

1						1
DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
ANIMAL ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	*TOTALC
	1	2	3	4	5	*TOTALS
		N 4				4

END OF MALE DATA

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

	DAY ON TEST	0	0	0	0	0			
F 344/N Rat Female		0 1	0 1	0 1	0 1	0 1			
VEHICLE CONTROL		7	7	7	7	7			
	ANIMAL ID	0 0 0	0 0 0	0 0	0 0 0	0 0			
		0 6	0 7	0 8	9	1 0	*TC	ТА	LS
Alimentary System									
Esophagus		+	+	+	+	+	5		
Intestine Large, Cecum		+	+	+	+	+	5		
Intestine Large, Colon		+	+	+	+	+	5		
Intestine Large, Rectum		+	+	+	+	+	5		
Intestine Small, Duodenum		+	+	+	+	+	5		
Intestine Small, Ileum		+	+	+	+	+	5		
Intestine Small, Jejunum		+	+	+	+	+	5		
Liver		+	+	+	+	+	5		
Pancreas		+	+	+	+	+	5		
Infiltration Cellular, Lympho	cyte, Focal		1					1	1.0
Salivary Glands		+	+	+	+	+	5		
Stomach, Forestomach		+	+	+	+	+	5		
Stomach, Glandular		+	+	+	+	+	5		
Cardiovascular System									
Blood Vessel		+	+	+	+	+	5		
Heart		+	+	+	+	+	5		
Endocrine System									
Adrenal Cortex		+	+	+	+	+	5		
Adrenal Medulla		+	+	+	+	+	5		
Islets, Pancreatic		+	+	+	+	+	5		

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:28

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

F 344/N Rat Female VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 0 6	0 0 1 7 0 0 0 0 7	0 0 1 7 0 0 0 0 8	0 0 1 7 0 0 0 0 9	0 0 1 7 0 0 0 1 0	*TOTALS
Parathyroid Gland		+	+	+	+	+	5
Pituitary Gland		+	+	I	+	+	4
Thyroid Gland General Body System		+	+	+	+	+	5
NONE Genital System							
Clitoral Gland		+	+	+	+	+	5
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		М	М	M	M	М	0
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	+	+	+	5
Skin		+	+	+	+	+	5
Musculoskeletal System							
Bone		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female VEHICLE CONTROL	AY ON TEST ANIMAL ID	0 0 1 7 0 0 0 0 6	0 0 1 7 0 0 0 0 7	0 0 1 7 0 0 0 0 8	0 0 1 7 0 0 0 0 9	0 0 1 7 0 0 0 1 0	*TC)TA	LS
Skeletal Muscle Nervous System		+	+	+	+	+	5		
Brain, NOS		+	+	+	+	+	5		
Peripheral Nerve, Sciatic		+	+	+	+	+	5		
Spinal Cord, Cervical		+	+	+	+	+	5		
Spinal Cord, Lumbar		+	+	+	+	+	5		
Respiratory System									
Larynx		I	+	+	+	I	3		
Lung		+	+	+	+	+	5		
Perivascular, Infiltration Cellula Lymphocyte, Focal	ır,	1			1	1		3	1.0
Nose		+	+	+	+	+	5		
Trachea		+	+	+	+	+	5		
Special Senses System									
Eye		+	+	+	+	+	5		
Harderian Gland		+	+	+	+	+	5		
Urinary System									
Kidney		+	+	+	+	+	5		
Urinary Bladder		+	+	+	+	+	5		

M .. Missing tissue

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

F 344/N Rat Female 1.0 MG/KG

Species/Strain: Rat/F 344/N

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 546-80-5

Lab: MBA

Date Report Requested: 10/15/2014

Time Report Requested: 12:54:29

First Dose M/F: NA / NA

DAY ON TEST

F 344/N Rat Female 1.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 3.0 MG/KG

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

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node M 0

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

F 344	I/N Rat Female
3.0	MG/KG

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

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Female 10.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

DAY ON TEST

F 344/N Rat Female 10.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 546-80-5

Species/Strain: Rat/F 344/N

F 344/	N Rat Female
30.0	MG/KG

DAY ON TEST	0	0	0	0	0
	<i>1</i> 7	<i>1</i> 7	1 7	<i>1</i> 7	1 7
ANIMAL ID	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 5
	6	7	8	9	0

*TOTALS

Alimentary System						
Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Cardiovascular System						
Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5
Endocrine System						
Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5

M .. Missing tissue

Parathyroid Gland

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 30.0 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 4 6	0 0 1 7 0 0 0 4 7	0 0 1 7 0 0 0 4 8	0 0 1 7 0 0 0 4 9	0 0 1 7 0 0 0 5 0	*TO	·TA	LS_
Thyroid Gland		+	+	+	+	+	5		
General Body System NONE Genital System									
Clitoral Gland		+	+	+	+	+	5		
Ovary		+	+	+	+	+	5		
Uterus Hydrometra		+	+	+	+	+ 2	5	1	2.0
Hematopoietic System						_		•	
Bone Marrow		+	+	+	+	+	5		
Lymph Node, Mandibular		М	М	М	М	M	0		
Lymph Node, Mesenteric		+	+	+	+	+	5		
Spleen		+	+	+	+	+	5		
Thymus		+	+	+	+	+	5		
Integumentary System									
Mammary Gland		+	+	+	+	+	5		
Skin		+	+	+	+	+	5		
Musculoskeletal System									
Bone		+	+	+	+	+	5		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

DAY O	N TEST	0	0	0	0	0			
F 344/N Rat Female		0 1	0 1	0 1	0 1	$\begin{bmatrix} 0 \\ 1 \end{bmatrix}$			
30.0 MG/KG	-	7	7	7	7	7			
ANI	MAL ID	0	0	0	0	0			
		0	0	0	0	0			
		4	4 7	4 8	4 9	5 0	*TC	ТА	LS
Skeletal Muscle	1.	+	+	+	+	+	5		
Nervous System									
Brain, NOS		+	+	+	+	+	5		
Peripheral Nerve, Sciatic		+	+	+	+	+	5		
Spinal Cord, Cervical		+	+	+	+	+	5		
Spinal Cord, Lumbar		+	+	+	+	+	5		
Respiratory System									
Larynx		+	+	+	+	+	5		
Lung		+	+	+	+	+	5		
Perivascular, Infiltration Cellular, Lymphocyte, Focal			1	1				2	1.0
Nose		+	+	+	+	+	5		
Trachea		+	+	+	+	+	5		
Special Senses System									
Eye		+	+	+	+	+	5		
Harderian Gland		+	+	+	+	+	5		
Infiltration Cellular, Lymphocyte, Foca	al			3				1	3.0
Urinary System									
Kidney		+	+	+	+	+	5		
Urinary Bladder		+	+	+	+	+	5		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

^{1-4 ..}Lesion qualified as:

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

*TOTALS

5

Date Report Requested: 10/15/2014
Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY

Route: GAVAGE

CAS Number: 546-80-5

Species/Strain: Rat/F 344/N

DAY ON TEST 0 0 0 0

F 344/N Rat Female 100 MG/KG	ANIMAL ID	0 1 7 0 0 0 5 6	0 1 5 0 0 0 5 7	0 1 7 0 0 0 5 8	0 0 8 0 0 0 0 5	0 0 8 0 0 0 6 0	
Alimentary System							
Esophagus		+	+	+	+	+	
Intestine Large, Cecum		+	+	+	+	Α	

_00paga0	-		•	•	•	•
Intestine Large, Cecum	+	+	+	+	Α	4
Intestine Large, Colon	+	+	+	+	Α	4
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	Α	4
Intestine Small, Ileum	+	+	+	+	Α	4
Intestine Small, Jejunum	+	+	+	+	Α	4
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	Α	4
Cardiovascular System						
Blood Vessel	+	+	+	+	+	5

Μ

A .. Autolysis precludes evaluation

Heart

Endocrine System

Adrenal Cortex
Adrenal Medulla
Islets, Pancreatic
Parathyroid Gland

BLANK .. Not examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..} Tissue examined microscopically

X ..Lesion presentI ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat Female 100 MG/KG Pituitary Gland	DAY ON TEST ANIMAL ID	0 0 1 7 0 0 0 5 6	0 0 1 5 0 0 0 5 7	0 0 1 7 0 0 0 5 8	0 0 8 0 0 0 0 5 9	0 0 8 0 0 6 0 +	*TO	TΑ	<u>LS</u>
Thyroid Gland		+	+	+	+	+	5		
General Body System									
NONE Genital System									
Clitoral Gland		+	+	+	+	+	5		
Ovary		+	+	+	+	+	5		
Uterus		+	+	+	+	+	5		
Hematopoietic System									
Bone Marrow		+	+	+	+	+	5		
Lymph Node, Mandibular		М	М	М	М	М	0		
Lymph Node, Mesenteric		+	+	+	+	+	5		
Spleen		+	+	+	+	+	5		
Thymus		+	+	+	+	+	5		
Hemorrhage, Focal				1				1	1.0
Integumentary System									
Mammary Gland		+	+	+	+	+	5		
Skin		+	+	+	+	+	5		
Musculoskeletal System									
Bone		+	+	+	+	+	5		

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

Table	DAY ON TEST	0	0	0	0	0			
ANIMAL ID	F 344/N Rat Female	0	0 1	0 1	0	0			
Name	100 MG/KG	-							
Nervous System	ANIMAL ID								
6 7 8 9 0 *TOTALS		0	0	0	0	0			
Nervous System Brain, NOS + + + + + + + + 5 3 1 3.0 Peripheral Nerve, Sciatic +		6		5 8	5 9		*TC	ТА	LS
Brain, NOS + + + + + + + 5 1 3.0 Peripheral Nerve, Sciatic + + + + + + + 5 Spinal Cord, Cervical + + + + + + + 5 Spinal Cord, Lumbar + + + + + + 5 Respiratory System Larynx M I + + + + 5 Lung + + + + + + 5 Alveolus, Hyperplasia, Histiocytic, Focal 1 1 - 1 1.0 Nose + + + + + + + + 5 Special Senses System Eye +	Skeletal Muscle	+	+	+	+	+	5		
Chor Plexus, Hemorrhage, Focal 3 1 3.0 Peripheral Nerve, Sciatic + + + + + 5 5 Spinal Cord, Cervical + + + + + + + 5 Fespiratory System Larynx M I + + + + 3	Nervous System								
Peripheral Nerve, Sciatic + + + + + + + 5 Spinal Cord, Cervical + + + + + + + + 5 Spinal Cord, Lumbar +	Brain, NOS	+	+	+	+	+	5		
Spinal Cord, Cervical + + + + + + + + 5 Spinal Cord, Lumbar + </td <td>Chor Plexus, Hemorrhage, Focal</td> <td></td> <td></td> <td></td> <td>3</td> <td></td> <td></td> <td>1</td> <td>3.0</td>	Chor Plexus, Hemorrhage, Focal				3			1	3.0
Spinal Cord, Lumbar + + + + + + + + 5 Lespiratory System Larynx M I +	Peripheral Nerve, Sciatic	+	+	+	+	+	5		
Respiratory System Larynx M I + + + 3 - - - - +	Spinal Cord, Cervical	+	+	+	+	+	5		
Larynx M I + + + + 5 Lung + <td< td=""><td>Spinal Cord, Lumbar</td><td>+</td><td>+</td><td>+</td><td>+</td><td>+</td><td>5</td><td></td><td></td></td<>	Spinal Cord, Lumbar	+	+	+	+	+	5		
Lung +	Respiratory System								
Alveolus, Hyperplasia, Histiocytic, Focal Nose + + + + + A 4 Trachea + + + + + + 5 Special Senses System Eye Harderian Gland Infiltration Cellular, Lymphocyte, Focal Urinary System Kidney Renal Tubule, Degeneration, Focal 3 - 1 - 1.0 1 - 1.	Larynx	М	1	+	+	+	3		
Nose + + + + + A 4 Trachea + + + + + + + 5 Special Senses System Eye + + + + + + 5 Harderian Gland + + + + + 5 Infiltration Cellular, Lymphocyte, Focal 2 - - 1 2.0 Urinary System Kidney + + + + + + 5 Renal Tubule, Degeneration, Focal 3 - - + + 5 - - 1 3.0	Lung	+	+	+	+	+	5		
Trachea + + + + + + 5 Special Senses System Eye + + + + + + 5 Harderian Gland + + + + + 5 Infiltration Cellular, Lymphocyte, Focal 2 - - 1 2.0 Urinary System Kidney + + + + + + 5 - - 1 3.0	Alveolus, Hyperplasia, Histiocytic, Focal			1				1	1.0
Special Senses System Eye + + + + + 5 Harderian Gland + + + + + + 5 Infiltration Cellular, Lymphocyte, Focal 2 - - 1 2.0 Urinary System + + + + + + + 5 - - 1 3.0 Kidney - - + + + + + + 5 - - 1 3.0	Nose	+	+	+	+	Α	4		
Eye + + + + + 5 - - - - +	Trachea	+	+	+	+	+	5		
Harderian Gland + + + + + 5 Infiltration Cellular, Lymphocyte, Focal 2 2 1 2.0 Urinary System Kidney + + + + + 5 Renal Tubule, Degeneration, Focal 3 1 3.0	Special Senses System								
Infiltration Cellular, Lymphocyte, Focal 2 1 2.0 Urinary System Kidney + + + + + 5 Renal Tubule, Degeneration, Focal 3 1 3.0	Eye	+	+	+	+	+	5		
Urinary System+++++5Renal Tubule, Degeneration, Focal3-13.0	Harderian Gland	+	+	+	+	+	5		
Kidney + + + + + 5 Renal Tubule, Degeneration, Focal 3 1 3.0	Infiltration Cellular, Lymphocyte, Focal		2					1	2.0
Renal Tubule, Degeneration, Focal 3 1 3.0	Urinary System								
	Kidney	+	+	+	+	+	5		
Urinary Bladder + + + + + 5	Renal Tubule, Degeneration, Focal	3						1	3.0
	Urinary Bladder	+	+	+	+	+	5		

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

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1) Minimal 3) Moderate

2) Mild

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

^{1-4 ..}Lesion qualified as:

Test Type: 14-DAY **Route:** GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha-Thujone **CAS Number:** 546-80-5

Date Report Requested: 10/15/2014 Time Report Requested: 12:54:29

First Dose M/F: NA / NA

Lab: MBA

** END OF REPORT **

^{* ..}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