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

Species/Strain: Mouse/B6C3F1

# P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** alpha/beta Thujone mixture **CAS Number:** 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

C Number: C99037

**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

Date Report Requested: 10/19/2014
Time Report Requested: 07:38:52

Test Type: 14-DAY

Route: GAVAGE

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL

Species/Strain: Mouse/B6C3F1

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	8	8	8	8	8
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	1	2	ા વ	4	5

\*TOTALS

Alim	entary	System

Allmentary System						
Esophagus	+	+	+	+	+	5
Gallbladder	+	+	+	+	+	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

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST  ANIMAL ID	0 0 1 8 0 0 0 0 1	0 0 1 8 0 0 0 0 0 2	0 0 1 8 0 0 0 0 0 3	0 0 1 8 0 0 0 0 4	0 0 1 8 0 0 0 0 5	*TOTALS
Parathyroid Gland		M	+	+	M	+	3
Pituitary Gland		+	I	+	M	+	3
Thyroid Gland  General Body System		+	+	+	I	+	4
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		М	+	+	+	+	4
Integumentary System							
Mammary Gland		М	М	М	М	М	0
Skin		+	+	+	+	+	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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

# P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL Test Compound: alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Date Report Requested: 10/19/2014
Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST  ANIMAL ID	0 0 1 8 0 0 0 0 0	0 0 1 8 0 0 0 0 0	0 0 1 8 0 0 0 0 0 3	0 0 1 8 0 0 0 0 0 4	0 0 1 8 0 0 0 0 0 5	*TOTALS
Musculoskeletal System							
Bone		+	+	I	+	+	4
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	I	0
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	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

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

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-02** 

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

B6C3F1 Mouse Male 1.0 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

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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

**Test Compound:** alpha/beta Thujone mixture **CAS Number:** 76231-76-0

\_

Time Report Requested: 07:38:52

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Mouse/B6C3F1

DAY ON TEST

# B6C3F1 Mouse Male 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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

DAY ON TEST

B6C3F1 Mouse Male 3.0 MG/KG

**Experiment Number: 99037-02** 

Species/Strain: Mouse/B6C3F1

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

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

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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

Test Compound: alpha/beta Thujone mixture

Time Report Requested: 07:38:52

Date Report Requested: 10/19/2014

CAS Number: 76231-76-0 First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Male 3.0 MG/KG

ANIMAL ID

\*TOTALS

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

**Test Compound:** alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-02** 

DAY ON TEST

B6C3F1 Mouse Male 10.0 MG/KG

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

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 99037-02 P09: NON-NEOPLASTIC LESI

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male 10.0 MG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

X ..Lesion present

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

B6C3F1 Mouse Male 30.0 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	8	8	8	8	8
V V III V V V I I I I	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	4 2	3	4	5

\*TOTALS

	1	2	3	4	5	*TOT
Alimentary System						
Esophagus	+	+	+	+	+	5
Gallbladder	+	+	+	I	+	4
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	М	+	+	+	+	4
Heart	+	+	+	+	+	5
Endocrine System						
Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Test Compound: alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

B6C3F1 Mouse Male 30.0 MG/KG	DAY ON TEST  ANIMAL ID	0 0 1 8 0 0 0 0 4 1	0 0 1 8 0 0 0 4 2	0 0 1 8 0 0 0 4 3	0 0 1 8 0 0 0 4 4	0 0 1 8 0 0 0 4 5	*TOTALS
Parathyroid Gland		M	+	M	+	+	3
Pituitary Gland		+	+	М	+	+	4
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		+	M	+	M	+	3
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		M	М	М	М	М	0

M ..Missing tissue

Skin

A .. Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

2) Mild 4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY

Route: GAVAGE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 07:38:52 First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: MBA

# **B6C3F1 Mouse Male** 30.0 MG/KG

Species/Strain: Mouse/B6C3F1

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	8	8	8	8	8
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4
	1	4 2	4 3	4	5

ALS

	1	2	3	4	5	*TOT
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	+	1	+	+	М	3
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
Special Senses System						
Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

**Test Compound:** alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

**Alimentary System** 

Route: GAVAGE

B6C3F	1 Mouse	Male
100	MG/KG	

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	6	1	0	1
V VIIIVAVI ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	1	2	3	4	5

\*TOTALS

Esophagus	+	+	+	+	+	5
Gallbladder	+	+	Α	+	+	4
Intestine Large, Cecum	+	+	+	Α	Α	3
Intestine Large, Colon	+	+	+	Α	+	4
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	Α	+	Α	Α	2
Intestine Small, Ileum	+	Α	+	Α	Α	2
Intestine Small, Jejunum	+	Α	Α	Α	Α	1
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	Α	+	4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	Α	Α	Α	Α	1
Cardiovascular System						
Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5
Endocrine System						
Adrenal Cortex	+	+	+	+	I	4
Adrenal Medulla	+	+	+	+	M	4
Islets, Pancreatic	+	+	+	+	+	5

BLANK .. Not examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: MBA

B6C3F1 Mouse Male 100 MG/KG	DAY ON TEST  ANIMAL ID	0 0 1 5 0 0 0 5 1	0 0 1 6 0 0 0 5 2	0 0 1 1 0 0 0 5 3	0 0 1 0 0 0 0 5 4	0 0 1 1 0 0 0 5 5	*TOTALS
Parathyroid Gland		М	+	М	+	+	3
Pituitary Gland		I	+	+	+	+	4
Thyroid Gland		+	+	+	+	+	5
General Body System							
Tissue NOS Genital System		+					1
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	Α	+	4
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		M	М	М	М	М	0

M .. Missing tissue

5

Skin

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

Lab: MBA

		DAYON IEST	U
Dec.	3F1 Mouse Male	DAY ON TEST	0
DOC.	or i wouse male		1
100	MG/KG		5
		ANIMAL ID	0

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	6	1	0	1
ANIMAL ID	0	0	0	0	0
AMINAL ID	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	1	2	3	4	5

\*TOTALS

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	М	I	I	I	ı	0
Lung	+	+	+	+	+	5
Nose	+	+	Α	+	+	4
Trachea	+	+	+	+	+	5

# **Special Senses System**

Eve

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

Musculoskeletal System

Route: GAVAGE

<b>_</b> yo	•	•	•	•	•	U
Harderian Gland	+	+	+	+	+	5
Urinary System						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5

\*\*\*END OF MALE DATA\*\*\*

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

**Test Compound:** alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	0	0	0	0	0
B6C3F1 Mouse Female	_	0	0	0	0	0
DOCSET WIOUSE FEITIGH	1	1	1	1	1	
VEHICLE CONTROL		8	8	8	8	8
	ANIMAL ID	0	0	0	0	0
ANIIVIAL ID		0	0	0	0	0
		Λ	Λ	Ι Λ	$\sim$	Λ

VEHICLE CONTROL		8	8	8	8	8		
	ANIMAL ID	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1 0	*TOTA	LS
Alimentary System								
Esophagus		+	+	+	+	+	5	
Gallbladder		+	М	М	+	+	3	
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	
Subcapsular, Hyperplasia, Foca	al	1	1	1		1	4	1.0
Adrenal Medulla		+	+	+	+	+	5	

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

Route: GAVAGE

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

Test Compound: alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

D000F4.M F I	DAY ON TEST	0	0	0	0	0			
B6C3F1 Mouse Female	<b>e</b>	<i>1</i> 8	1 8	1 8	<i>1</i> 8	1 8			
VEHICLE CONTROL	ANIMAL ID	0 0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1 0	*TO <sup>-</sup>	ΤA	LS
Islets, Pancreatic		+	+	+	+	+	5		
Parathyroid Gland		+	+	М	М	+	3		
Pituitary Gland		+	+	+	+	+	5		
Thyroid Gland		+	+	+	+	+	5		
General Body System									
NONE									
Genital System									
Clitoral Gland		+	+	+	+	М	4		
Ovary		+	+	+	+	+	5		
Uterus		+	+	+	+	+	5		
Hematopoietic System									
Bone Marrow		+	+	+	+	+	5		
Lymph Node, Mandibular		+	+	+	+	+	5		
Lymph Node, Mesenteric		+	+	+	+	+	5		
Spleen		+	+	+	+	+	5		
Hematopoietic Cell Prolifera	tion	1						1	1.0
Thymus		+	+	+	+	+	5		
Integumentary System									
Mammary Gland		+	+	+	+	+	5		
Skin		+	+	+	+	+	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

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

**CAS Number:** 76231-76-0

Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

B6C3F1 Mouse Femal VEHICLE CONTROL	DAY ON TEST <b>e</b> ANIMAL ID	0 0 1 8 0 0 0 0 0 6	0 0 1 8 0 0 0 0 0 7	0 0 1 8 0 0 0 0 0 8	0 0 1 8 0 0 0 0 0 9	0 0 1 8 0 0 0 0 1 0	*TOTALS
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
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

M .. Missing tissue

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

1-4 ..Lesion qualified as:

2) Mild

1) Minimal 3) Moderate

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-02** 

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

# B6C3F1 Mouse Female 1.0 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

A .. Autolysis precludes evaluation

X ..Lesion presentI ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY

Route: GAVAGE

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

DAY ON TEST

# B6C3F1 Mouse 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

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-02** 

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

# **B6C3F1 Mouse Female** 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

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

4) Marked 2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY

Route: GAVAGE

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

DAY ON TEST

# B6C3F1 Mouse Female 3.0 MG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

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

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-02** 

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

# B6C3F1 Mouse 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

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY Route: GAVAGE

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

DAY ON TEST

# **B6C3F1 Mouse Female** 10.0 MG/KG

ANIMAL ID

\*TOTALS

**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

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

**Test Compound:** alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-02** 

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

# B6C3F1 Mouse Female 30.0 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: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

2) Mild 4) Marked

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: 14-DAY Test Compound: alpha/beta Thujone mixture Route: GAVAGE

Species/Strain: Mouse/B6C3F1

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:52

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

# **B6C3F1 Mouse Female** 30.0 MG/KG

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

**Test Compound:** alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

	DAY ON TEST	0	0	0	0	0			
<b>B6C3F1 Mouse Female</b>	•	0 1	0 1	0 1	0	0			
100 MG/KG		1	6	8	8	8			
	ANIMAL ID	0	0	0	0	0			
		0	0	0	0	0			
		5 6	5 7	5 8	5 9	6 0	*TO	ТΔ	ıs
Alimentary System			1	0	9	U	10	1/1	
Esophagus		+	+	+	+	+	5		
Gallbladder		A	+	+	+	+	4		
Intestine Large, Cecum		Α	Α	+	+	+	3		
Intestine Large, Colon		+	+	+	+	+	5		
Intestine Large, Rectum		+	+	+	+	+	5		
Intestine Small, Duodenum		Α	Α	+	+	+	3		
Intestine Small, Ileum		Α	Α	+	+	+	3		
Intestine Small, Jejunum		Α	Α	+	+	+	3		
Liver		+	+	+	+	+	5		
Pancreas		+	+	+	+	+	5		
Salivary Glands		+	Α	+	+	+	4		
Stomach, Forestomach		+	+	+	+	+	5		
Stomach, Glandular		Α	Α	+	+	+	3		
Cardiovascular System									
Blood Vessel		+	+	+	+	+	5		
Heart		+	+	+	+	+	5		
Endocrine System									
Adrenal Cortex		+	+	+	+	+	5		
Subcapsular, Hyperplasia, F	ocal	1			1	1		3	1.0
Adrenal Medulla		+	М	+	+	+	4		

A .. Autolysis precludes evaluation

M .. Missing tissue

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:52

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Test Compound: alpha/beta Thujone mixture

**CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

DAY	ON TEST	0	0	0	0	0			
B6C3F1 Mouse Female		0 1	0 1	0 1	0	0 1			
100 MG/KG		1	6	8	8	8			
	NIMAL ID	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	00060	*TC	ЭΤΑ	LS
Islets, Pancreatic	,	+	+	+	+	+	5		
Parathyroid Gland		+	+	+	+	+	5		
Pituitary Gland		+	I	+	+	+	4		
Thyroid Gland		+	+	+	+	+	5		
Ectopic Thymus						2		1	2.0
General Body System									
NONE Genital System									
Clitoral Gland		+	+	+	М	+	4		
Ovary		+	+	+	+	+	5		
Uterus		+	Α	+	+	+	4		
Hematopoietic System									
Bone Marrow		+	+	+	+	+	5		
Lymph Node, Mandibular		+	+	+	+	+	5		
Lymph Node, Mesenteric		+	+	+	+	+	5		
Spleen		+	+	+	+	+	5		
Hematopoietic Cell Proliferation						2		1	2.0
Thymus		+	+	+	+	+	5		
Integumentary System									
Mammary Gland		+	+	+	+	+	5		
Skin		+	+	+	+	+	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

Date Report Requested: 10/19/2014

Time Report Requested: 07:38:53

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** alpha/beta Thujone mixture **CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:53

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female 100 MG/KG	DAY ON TEST P  ANIMAL ID	0 0 1 1 0 0 0 5 6	0 0 1 6 0 0 0 5 7	0 0 1 8 0 0 0 0 5 8	0 0 1 8 0 0 0 5 9	0 0 1 8 0 0 0 6 0	*TOTALS 5
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		+	+	+	М	М	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

<sup>1-4 ..</sup>Lesion qualified as:

Test Type: 14-DAY Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:38:53

First Dose M/F: NA / NA

Lab: MBA

\*\* END OF REPORT \*\*

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

M .. Missing tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

<sup>+ ..</sup>Tissue examined microscopically