**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:** 10/20/2014 **Time Report Requested:** 16:57:46

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

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

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

Time Report Requested: 16:57:46

Date Report Requested: 10/20/2014

First Dose M/F: NA / NA

Lab: MBA

**B6C3F1 Mouse Male VEHICLE CONTROL** 

DAY ON TEST	0	0	0	0	
DATI ON ILOT	o	o	o	o	
	1	1	1	1	
	7	7	7	7	
ANIMAL ID	0	0	0	0	
AMINAL ID	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
	1	2	3	4	

\*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** 

Brain, Entorhinal Cortex

+ .. 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

2) Mild

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

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

First Dose M/F: NA / NA

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

Lab: MBA

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

**Experiment Number: 99037-97** 

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST	0 0 1 7 0 0 0	0 0 1 7 0 0 0	0 0 1 7 0 0 0	0 0 1 7 0 0 0	
		0 1	0 2	0	0 4	*TOTALS
Brain, Hippocampus		+	+	+	+	4
Brain, Piriform Cortex		+	+	+	+	4
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial		+	+	+	+	4
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M ..Missing tissue

X ..Lesion present

I ..Insufficient tissue BLANK ..Not examined microscopically

A .. Autolysis precludes evaluation

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

CAS Number: 76231-76-0

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

Date Report Requested: 10/20/2014 Time Report Requested: 16:57:46

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

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

**Experiment Number: 99037-97** 

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

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

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

Test Type: 14-DAY

Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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

First Dose M/F: NA / NA

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

Lab: MBA

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** 

**Experiment Number: 99037-97** 

Species/Strain: Mouse/B6C3F1

MG/KG

Test Type: 14-DAY

Route: GAVAGE

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: 10/20/2014

Time Report Requested: 16:57:46

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

CAS Number: 76231-76-0

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

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: 10/20/2014

Time Report Requested: 16:57:46

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

\_ ... \_ ..

DAY ON TEST

B6C3F1 Mouse Male 10.0 MG/KG

**Experiment Number: 99037-97** 

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

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

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Male 10.0 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: 10/20/2014

Time Report Requested: 16:57:46

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 (

DAY ON TEST 0 0 0 0 0 *1 7* 7 0 0 0 0 0 3 4 ANIMAL ID 0 0 0 3 3 0 0 3 3 5

\*TOTALS

**Alimentary System** 

30.0 MG/KG

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** 

Brain, Entorhinal Cortex + + + + 4

+ .. 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: 10/20/2014

Time Report Requested: 16:57:46

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 Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-97** 

Test Type: 14-DAY

Route: GAVAGE

B6C3F1 Mouse Male 30.0 MG/KG	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
	ANIMAL ID	88000	0 0 0 3 4	0 0 0 3 5	98000	*TOTALS
Brain, Hippocampus		+	+	+	+	4
Brain, Piriform Cortex		+	+	+	+	4
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial		+	+	+	+	4
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

First Dose M/F: NA / NA

Lab: MBA

I .. Insufficient tissue

<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

B6C3F	-1	Mouse	Male
100	M	G/KG	

DAY ON TEST	0	0	0	0	
	0	0	0	0	
	0	0	1	0	
	8	8	7	9	
A N 11 N A A 1 1 I D	0	0	0	0	
ANIMAL ID	0	0	0	0	
	0	0	0	0	
	4	4	4	4	
	1	4 2	3	4	

LS

4	4	4	4	
1	2	3	4	*TOTAL
+	+		+	3
+	+		+	3
+	Α		+	2
+	+		+	3
+	+		+	3
+	Α		+	2
+	Α		+	2
+	Α		Α	1
+	+		+	3
+	+		+	3
+	+		+	3
+	+		+	3
+	+		Α	2
+	+		+	3
+	+		+	3
+	+		+	3
+	+		+	3
+	+		+	3
	+ + + + + + + + + + + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + +	+ + + + + + + + + + + + + + + + + + +	4     4     4     4       1     2     3     4    + + + + + + + + + + + + + + + + + + +

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: 10/20/2014

Time Report Requested: 16:57:46

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

Test Type: 14-DAY

Route: GAVAGE

B6C3F1 Mouse Male 100 MG/KG  Parathyroid Gland	DAY ON TEST  ANIMAL ID	0 0 8 0 0 0 0 4 1	0 0 8 0 0 0 0 4 2	0 0 1 7 0 0 0 4 3	0 0 9 0 0 0 0 0 4 4	*TOTALS
Pituitary Gland		+	+		1	2
Thyroid Gland		+	+		+	3
General Body System						
NONE						
Genital System						
Epididymis		+	+		+	3
Preputial Gland		+	+		+	3
Prostate		+	+		+	3
Seminal Vesicle		+	+		+	3
Testes		+	+		+	3
Hematopoietic System						
Bone Marrow		+	+		+	3
Lymph Node, Mandibular		+	+		+	3
Lymph Node, Mesenteric		+	+		+	3
Spleen		+	+		+	3
Thymus		+	+		+	3
Integumentary System						
Mammary Gland		М	М		М	0
Skin		+	+		+	3

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

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

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

First Dose M/F: NA / NA

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

Lab: MBA

	DAY ON TEST	0	0	0	0	
<b>B6C3F1 Mouse Male</b>		0	0	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	0	
100 MG/KG		8	8	7	ģ	
	ANIMAL ID	0	0	0	0	
		0	0	0	0	
		4 1	4	4	4	*TOTALS
Musculoskeletal System		-				
Bone		+	+		+	3
Skeletal Muscle		+	+		+	3
Nervous System						
Brain, Entorhinal Cortex				+		1
Brain, Hippocampus				+		1
Brain, NOS		+	+		+	3
Brain, Piriform Cortex				+		1
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial				+		1
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4
Respiratory System						
Larynx		+	I		I	1
Lung		+	+		+	3
Nose		+	+		+	3
Trachea		+	+		+	3
Special Senses System						
Eye		+	+		+	3
Harderian Gland		+	+		+	3

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically I .. Insufficient tissue

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

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

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

B6C3	F1 Mouse	Male
100	MG/KG	

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

**Urinary System** 

Kidney + + + 3Urinary Bladder + + 1 2

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

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

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

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: 10/20/2014 Time Report Requested: 16:57:46

First Dose M/F: NA / NA

Lab: MBA

	DAY ON TEST	0	0	0	0	
B6C3F1 Mouse Female VEHICLE CONTROL	•	0 1 7	0 1 7	0 1 7	0 1 7	
VEINGEE GONTINGE	ANIMAL ID	0 0 0	0 0 0	0000	0000	
		5	6	7	8	*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** 

Brain, Entorhinal Cortex + + + + 4

+ .. 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

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

Test Compound: alpha/beta Thujone mixture

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

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-97** 

Test Type: 14-DAY

Route: GAVAGE

B6C3F1 Mouse Female	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
	ANIMAL ID	0 0 0 0 5	00006	0 0 0 0 7	0 0 0 0 8	*TOTALS
Brain, Hippocampus	•	+	+	+	+	4
Brain, Piriform Cortex		+	+	+	+	4
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial		+	+	+	+	4
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4
Pacniratory System						

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

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

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

Test Compound: alpha/beta Thujone mixture

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

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-97** 

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

2) Mild

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

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: 10/20/2014

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

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

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

Species/Strain: Mouse/B6C3F1

**Experiment Number: 99037-97** 

Test Type: 14-DAY

Route: GAVAGE

DAY ON TEST

# B6C3F1 Mouse Female 3.0 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:

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Date Report Requested: 10/20/2014

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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

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

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

<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: 99037-97** 

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

2) Mild

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE 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

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: 10/20/2014

Time Report Requested: 16:57:46

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

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: 10/20/2014 Time Report Requested: 16:57:46

First Dose M/F: NA / NA

Lab: MBA

	D/	AY ON TEST	0	0	0	0	
B6C3F1 Mouse Female			0	0	0	0	
<b>D</b> 003	i i wouse i ciliale		1	1	1	1	
30.0	MG/KG		7	7	7	7	
		ANIMAL ID	0	0	0	0	
		AMINIAL ID	0	0	0	0	
			0	0	0	0	

**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** 

Brain, Entorhinal Cortex

+ .. 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

2) Mild

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

Test Compound: alpha/beta Thujone mixture

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

Lab: MBA

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

**Experiment Number: 99037-97** 

B6C3F1 Mouse Female 30.0 MG/KG	AY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
	ANIMAL ID	0 0 0 3 7	0 0 0 3 8	00000	0 0 0 4 0	*TOTALS
Brain, Hippocampus		+	+	+	+	4
Brain, Piriform Cortex		+	+	+	+	4
Peripheral Nerve, Sciatic		+	+	+	+	4
Peripheral Nerve, Tibial		+	+	+	+	4
Spinal Cord, Cervical		+	+	+	+	4
Spinal Cord, Lumbar		+	+	+	+	4

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

X ..Lesion present

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

I .. Insufficient tissue

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

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

Test Type: 14-DAY

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

	DAY ON TEST	0	0	0	0			
B6C3F1 Mouse Female	e	0 5	0 9	1 7	1 0			
100 MG/KG	ANIMAL ID	0 0 0 4 5	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	*TO	TA	LS
Alimentary System								
Esophagus		Α	+		+	2		
Gallbladder		Α	+		+	2		
Intestine Large, Cecum		Α	+		+	2		
Intestine Large, Colon			+		+	2		
Intestine Large, Rectum		Α	+		+	2		
Intestine Small, Duodenum		Α	+		+	2		
Intestine Small, Ileum		Α	+		+	2		
Intestine Small, Jejunum		Α	Α		+	1		
Liver		Α	+		+	2		
Pancreas		Α	+		+	2		
Salivary Glands		Α	+		+	2		
Stomach, Forestomach		Α	+		+	2		
Stomach, Glandular		Α	Α		+	1		
Cardiovascular System								
Blood Vessel		Α	+		+	2		
Heart		Α	+		+	2		
<b>Endocrine System</b>								
Adrenal Cortex		Α	+		+	2		
Subcapsular, Hyperplasia, F	-ocal				1		1	1.0
Adrenal Medulla		Α	+		+	2		

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: 10/20/2014

Time Report Requested: 16:57:46

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: 99037-97** 

Test Type: 14-DAY

Route: GAVAGE

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

Musculoskeletal System

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: 10/20/2014

Time Report Requested: 16:57:46

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

DAY ON TEST 0 0 0 0 0 **B6C3F1 Mouse Female** 0 *1 7* 1 5 0 MG/KG 100 0 0 0 0 ANIMAL ID Ō 0 0 0 0 0 0 4 5 4 4 8 \*TOTALS Bone 3 + Skeletal Muscle Α 2 **Nervous System** Brain, Entorhinal Cortex Brain, Hippocampus Brain, NOS 2 Brain, Piriform Cortex 1 3 Peripheral Nerve, Sciatic Peripheral Nerve, Tibial Spinal Cord, Cervical 3 Spinal Cord, Lumbar 3 **Respiratory System** Larynx 0 Lung 1 Nose 2 2 Trachea **Special Senses System** 2 Eye Harderian Gland 2 **Urinary System** 

M ..Missing tissue

2

Kidney

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

Date Report Requested: 10/20/2014

Time Report Requested: 16:57:46

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

2

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

MG/KG

Urinary Bladder

Test Type: 14-DAY

Route: GAVAGE

100

DAY ON TEST 0 0 0 **B6C3F1 Mouse Female** *1 7* 5 0 0 0 0 0 0 0 4 6 ANIMAL ID 0 0 0 4 5 0 0 4 8 \*TOTALS

Α

\*\* END OF REPORT \*\*

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: 10/20/2014

Time Report Requested: 16:57:47

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