

**Experiment Number:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

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

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 16:44:02  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C99021
<b>Lock Date:</b>	01/24/2002
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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First Dose M/F: NA / NA

Lab: MBA

Male MOUSE  
FIRST TERMINAL SACRIFICE AT 17 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = VEHICLE CONTROL</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 1.0 MG/KG</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 3.0 MG/KG</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 10.0 MG/KG</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Lab:** MBA

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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**DOSE = 30.0 MG/KG**

TOTAL 4                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 4

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 100 MG/KG**

TOTAL 4                      UNCENSORED DEATHS 2                      CENSORED DEATHS 0                      TERMINAL 2

**UNCENSORED DEATH DAYS**

4                      7

**CENSORED DEATH DAYS**

none

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Lab:** MBA

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	17(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 MG/KG	100.0	75.0	75.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**First Dose M/F:** NA / NA  
**Lab:** MBA

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**SURVIVAL SUMMARY STATISTICS**

DOSE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.012	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

**Experiment Number:** 99021-97  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

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

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

**Male MOUSE  
FIRST TERMINAL SACRIFICE AT 17 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>30.0 MG/KG</b>	<b>100 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	50.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	P=0.417
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	5.5 (1.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0 (0.0)	11.3 (3.4)

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 99021-97  
Test Type: 14-DAY  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Test Compound: alpha-Thujone  
CAS Number: 546-80-5

Date Report Requested: 10/20/2014  
Time Report Requested: 16:44:02  
First Dose M/F: NA / NA  
Lab: MBA

Female MOUSE  
FIRST TERMINAL SACRIFICE AT 17 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = VEHICLE CONTROL</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 1.0 MG/KG</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 3.0 MG/KG</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 10.0 MG/KG</b>			
TOTAL 4	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 4
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Lab:** MBA

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

---

**DOSE = 30.0 MG/KG**

TOTAL 4                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 4

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 100 MG/KG**

TOTAL 4                      UNCENSORED DEATHS 4                      CENSORED DEATHS 0                      TERMINAL 0

**UNCENSORED DEATH DAYS**

6            6            6            9

**CENSORED DEATH DAYS**

none

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**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	17(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 MG/KG	100.0	100.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 17 DAYS**

**SURVIVAL SUMMARY STATISTICS**

DOSE	VEHICLE CONTROL	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)	17.0 (0.0)

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**Lab:** MBA

**Female MOUSE  
FIRST TERMINAL SACRIFICE AT 17 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>30.0 MG/KG</b>	<b>100 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	P=0.031
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	6.8 (0.8)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	17.0 (0.0)	6.8 (0.8)

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**\*\* END OF REPORT \*\***

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