

Experiment Number: 99013-02
Test Type: 7-WEEK PERINATAL
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Styrene-acrylonitrile trimer
CAS Number: SANTRIMER2

Date Report Requested: 10/19/2014
Time Report Requested: 15:12:42
First Dose M/F: NA / NA
Lab: BAT

C Number:	C99013
Lock Date:	04/22/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Male RAT
FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0_PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 250 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 500 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 1000 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
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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FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 2000 PPM PUPS

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 4000 PPM PUPS

TOTAL 10 UNCENSORED DEATHS 1 CENSORED DEATHS 0 TERMINAL 9

UNCENSORED DEATH DAYS

3

CENSORED DEATH DAYS

none

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Male RAT
FIRST TERMINAL SACRIFICE AT 15 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	15(A)
0_PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
250 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000 PPM PUPS	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

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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: BAT

Male RAT
 FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0_PPM PUPS	250 PPM PUPS	500 PPM PUPS	1000 PPM PUPS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.213	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	15.0	15.0	15.0	15.0
	(0.0)	(0.0)	(0.0)	(0.0)

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

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Male RAT
FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	2000 PPM PUPS	4000 PPM PUPS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	90.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	3.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	15.0 (0.0)	13.8 (1.2)

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First Dose M/F: NA / NA
Lab: BAT

Female RAT
FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 250 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 500 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 1000 PPM PUPS			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Lab: BAT

Female RAT
FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 2000 PPM PUPS

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 4000 PPM PUPS

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

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DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	15(A)
0 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
250 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000 PPM PUPS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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SURVIVAL SUMMARY STATISTICS

DOSE	0 PPM PUPS	250 PPM PUPS	500 PPM PUPS	1000 PPM PUPS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	15.0 (0.0)	15.0 (0.0)	15.0 (0.0)	15.0 (0.0)

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FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	2000 PPM PUPS	4000 PPM PUPS
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	15.0 (0.0)	15.0 (0.0)

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**** END OF REPORT ****

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