

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

F2_R2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

C Number: C93025
Lock Date: 03/22/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

MALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 50 UNCENSORED DEATHS 30 CENSORED DEATHS 0 TERMINAL 20

UNCENSORED DEATH DAYS:

372	530	557	563	563	586	586	591	593	600	600	605	628	642
642	647	647	647	648	649	662	668	670	678	682	684	701	712
718	726												

CENSORED DEATH DAYS:

None

DOSE = 30 PPM

TOTAL 50 UNCENSORED DEATHS 21 CENSORED DEATHS 0 TERMINAL 29

UNCENSORED DEATH DAYS:

500	513	547	560	563	563	576	582	590	633	642	663	670	674
676	696	715	715	716	722	722							

CENSORED DEATH DAYS:

None

DOSE = 60 PPM

TOTAL 50 UNCENSORED DEATHS 25 CENSORED DEATHS 0 TERMINAL 25

UNCENSORED DEATH DAYS:

438	480	483	523	537	547	561	600	614	619	621	623	625	640
642	647	662	662	689	689	691	698	718	719	724			

CENSORED DEATH DAYS:

None

DOSE = 120 PPM

TOTAL 50 UNCENSORED DEATHS 22 CENSORED DEATHS 0 TERMINAL 28

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

MALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

UNCENSORED DEATH DAYS:

381	483	484	566	577	586	614	619	619	641	647	654	663	674
687	689	695	701	703	708	722	725						

CENSORED DEATH DAYS:

None

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

MALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
CONTROL	100.0	100.0	100.0	100.0	98.0	98.0	96.0	76.0	58.0	40.0
30 PPM	100.0	100.0	100.0	100.0	100.0	100.0	96.0	82.0	76.0	58.0
60 PPM	100.0	100.0	100.0	100.0	100.0	94.0	90.0	84.0	64.0	50.0
120 PPM	100.0	100.0	100.0	100.0	98.0	94.0	94.0	88.0	74.0	56.0

(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)

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

MALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	30 PPM	60 PPM	120 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	40.0%	58.0%	50.0%	56.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.234N	P=0.097N	P=0.432N	P=0.116N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	626.6 (12.8)	630.4 (16.1)	618.1 (16.0)	629.0 (18.8)
MEAN LIFE SPAN (D) (STANDARD ERROR)	667.5 (10.5)	687.6 (9.6)	673.5 (11.2)	685.0 (10.8)

(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)

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 730 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 50 UNCENSORED DEATHS 19 CENSORED DEATHS 0 TERMINAL 31

UNCENSORED DEATH DAYS:

38 420 522 523 582 591 624 628 648 666 675 677 680 681
682 691 697 717 717

CENSORED DEATH DAYS:

None

DOSE = 30 PPM

TOTAL 50 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36

UNCENSORED DEATH DAYS:

196 438 474 516 528 556 644 651 680 699 703 708 712 725

CENSORED DEATH DAYS:

None

DOSE = 60 PPM

TOTAL 50 UNCENSORED DEATHS 19 CENSORED DEATHS 0 TERMINAL 31

UNCENSORED DEATH DAYS:

425 509 515 528 591 607 614 627 631 641 663 685 704 704
708 715 717 723 727

CENSORED DEATH DAYS:

None

DOSE = 120 PPM

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMINAL 38

UNCENSORED DEATH DAYS:

442 488 563 645 647 648 670 681 685 694 703 703

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 730 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

CENSORED DEATH DAYS:

None

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 730 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
CONTROL	98.0	98.0	98.0	98.0	96.0	96.0	92.0	88.0	82.0	62.0
30 PPM	100.0	100.0	98.0	98.0	98.0	94.0	90.0	88.0	84.0	72.0
60 PPM	100.0	100.0	100.0	100.0	98.0	98.0	92.0	90.0	78.0	62.0
120 PPM	100.0	100.0	100.0	100.0	100.0	98.0	96.0	94.0	88.0	76.0

(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)

TDMS No. 93025 - 07

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 730 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	30 PPM	60 PPM	120 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	62.0%	72.0%	62.0%	76.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.245N	P=0.381N	P=1.000N	P=0.177N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	603.1 (36.1)	587.9 (39.8)	633.4 (20.0)	630.8 (25.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	681.8 (16.1)	690.2 (14.2)	693.3 (10.0)	706.2 (8.4)

*** END OF REPORT ***

(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)