

**TDMS No.** 97008-05  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** RATS/F 344

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
PROPARGYL ALCOHOL  
**CAS Number:** 107-19-7  
**Pathologist:** HARBO, S. - LIEUALLEN, W.  
F1\_R2

**Date Report Reqsted:** 08/09/2006  
**Time Report Reqsted:** 14:10:54  
**First Dose M/F:** 10/01/01 / 10/01/01  
**Lab:** BNW

<b>C Number:</b>	C97008		
<b>Lock Date:</b>	08/16/2004		
<b>Cage Range:</b>	1 - 9999		
<b>Date Range:</b>	1-JAN-1940 to 17-SEP-2040		
<b>Reasons For Removal:</b>	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
<b>Removal Date Range:</b>	JAN /1 /1940 - SEP /17 /2040		
<b>Treatment Groups:</b>	Include 1 CONTROL	Include 2 CONTROL	Include 3 16 PPM
	Include 4 16 PPM	Include 5 32 PPM	Include 6 32 PPM
	Include 7 64 PPM	Include 8 64 PPM	

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MALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 49	UNCENSORED DEATHS 22	CENSORED DEATHS 0	TERMINAL 27
UNCENSORED DEATHS			
376 481 503	561 565 589 589 624	628 640 647 652 659	667
673 695 695	698 703 711 720 721		
CENSORED DEATHS			
None			

DOSE = 16 PPM

TOTAL 50	UNCENSORED DEATHS 27	CENSORED DEATHS 0	TERMINAL 23
UNCENSORED DEATHS			
418 485 497	504 516 523 570 582	589 597 614 632 649	659
669 669 669	675 677 684 684 696	701 701 721 726 726	
CENSORED DEATHS			
None			

DOSE = 32 PPM

TOTAL 50	UNCENSORED DEATHS 35	CENSORED DEATHS 0	TERMINAL 15
UNCENSORED DEATHS			
259 509 523	543 558 565 565 579	589 591 593 595 607	626
627 633 645	645 654 667 670 672	680 691 698 698 701	702
703 706 709	713 726 726 726		
CENSORED DEATHS			
None			

DOSE = 64 PPM

TOTAL 50	UNCENSORED DEATHS 34	CENSORED DEATHS 0	TERMINAL 16
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UNCENSORED DEATHS

275	481	486	516	544	544	556	565	582	591	592	611	611	612
617	635	640	640	645	646	661	661	673	675	676	681	681	690
698	708	711	711	712	726								

CENSORED DEATHS

None

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**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	95.9	93.9	85.7	73.5	55.1
16 PPM	100.0	100.0	100.0	100.0	98.0	96.0	88.0	80.0	72.0	46.0
32 PPM	100.0	100.0	98.0	98.0	98.0	98.0	92.0	76.0	62.0	30.0
64 PPM	100.0	100.0	100.0	98.0	98.0	96.0	88.0	78.0	56.0	32.0

(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)

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Lab: BNW

**SURVIVAL SUMMARY STATISTICS**

DOSE	CONTROL	16 PPM	32 PPM	64 PPM
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	55.1%	46.0%	30.0%	32.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.014	P=0.467	P=0.025	P=0.026
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	627.1 (18.7)	623.4 (16.4)	631.3 (15.3)	619.2 (15.4)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	683.3 (11.0)	672.0 (11.6)	660.6 (12.4)	654.3 (12.7)

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 730 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 50	UNCENSORED DEATHS 21	CENSORED DEATHS 0	TERMINAL 29
UNCENSORED DEATHS			
393 409 513	526 528 580 580	581 599 633 635 643 652 659	
662 673 673	680 691 694 715		
CENSORED DEATHS			
None			

DOSE = 16 PPM

TOTAL 50	UNCENSORED DEATHS 19	CENSORED DEATHS 0	TERMINAL 31
UNCENSORED DEATHS			
516 543 556	558 575 617 627 628	640 645 670 677 693 695	
701 705 705	719 725		
CENSORED DEATHS			
None			

DOSE = 32 PPM

TOTAL 50	UNCENSORED DEATHS 23	CENSORED DEATHS 0	TERMINAL 27
UNCENSORED DEATHS			
430 439 509	537 549 598 598	621 633 652 663 667 667 676	
682 686 696	698 708 711 712 721 726		
CENSORED DEATHS			
None			

DOSE = 64 PPM

TOTAL 50	UNCENSORED DEATHS 24	CENSORED DEATHS 0	TERMINAL 26
UNCENSORED DEATHS			

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INDIVIDUAL SURVIVAL TIMES (DAYS)

502	516	522	523	617	618	620	620	621	628	633	653	662	663
674	681	682	683	684	694	694	695	698	698				

CENSORED DEATHS

None

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Lab: BNW

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
CONTROL	100.0	100.0	100.0	100.0	96.0	96.0	90.0	82.0	70.0	58.0
16 PPM	100.0	100.0	100.0	100.0	100.0	100.0	96.0	90.0	80.0	62.0
32 PPM	100.0	100.0	100.0	100.0	100.0	96.0	92.0	86.0	78.0	54.0
64 PPM	100.0	100.0	100.0	100.0	100.0	100.0	92.0	92.0	72.0	52.0

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**SURVIVAL SUMMARY STATISTICS**

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<b>DOSE</b>	<b>CONTROL</b>	<b>16 PPM</b>	<b>32 PPM</b>	<b>64 PPM</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	58.0%	62.0%	54.0%	52.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.515	P=0.663N	P=1.000	P=0.818
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	605.7 (19.5)	641.8 (15.0)	633.9 (18.1)	636.7 (12.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	677.8 (11.9)	696.5 (8.3)	685.8 (10.7)	685.2 (9.0)

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

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