

Experiment Number: A14099

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Tetrapropylammonium bromide

CAS Number: 1941-30-6

Date Report Requested: 09/16/2018

Time Report Requested: 01:00:19

**NTP Study Number:**

A14099

**Study Result:**

Weakly Positive

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Test Compound: Tetrapropylammonium bromide

CAS Number: 1941-30-6

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	119 ± 3.7	100 ± 6.4	130 ± 11.5	148 ± 16.1	135 ± 11.0
100.0	106 ± 5.6	104 ± 10.1	133 ± 10.7	155 ± 2.6	151 ± 4.7
333.0	121 ± 3.0	110 ± 7.3	128 ± 4.2	155 ± 11.7	137 ± 1.9
1000.0	112 ± 6.8	101 ± 11.1	131 ± 4.3	147 ± 8.4	128 ± 11.4
3333.0	110 ± 6.4	104 ± 5.3	132 ± 8.6	144 ± 5.0	123 ± 7.4
10000.0	42 ± 0.0 <sup>s</sup>	Toxic	109 ± 6.2	148 ± 8.5	126 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			571 ± 40.8		1691 ± 84.3
Positive Control <sup>3</sup>	436 ± 9.0	428 ± 15.8			
Positive Control <sup>4</sup>				490 ± 7.0	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	123 ± 14.6
100.0	157 ± 4.2
333.0	126 ± 11.0
1000.0	134 ± 9.0
3333.0	134 ± 9.0
10000.0	141 ± 6.9
Trial Summary	Negative
Positive Control <sup>2</sup>	737 ± 8.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 2.6	15 ± 2.8	9 ± 2.3	17 ± 0.9	8 ± 2.4
100.0	16 ± 2.0	15 ± 1.7	13 ± 1.3	19 ± 1.5	9 ± 1.7
333.0	16 ± 1.5	9 ± 1.9	11 ± 1.0	16 ± 1.5	12 ± 2.0
1000.0	16 ± 0.9	15 ± 0.7	11 ± 2.8	22 ± 3.8	7 ± 0.9
3333.0	10 ± 1.8	9 ± 2.7	8 ± 2.7	14 ± 2.9	11 ± 1.0
10000.0	9 ± 2.8	4 ± 1.0	11 ± 1.5	18 ± 3.3	8 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	512 ± 9.4	361 ± 10.1			
Positive Control <sup>2</sup>			62 ± 3.8	53 ± 1.5	139 ± 0.9

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 2.8
100.0	17 ± 1.7
333.0	16 ± 1.0
1000.0	17 ± 0.9
3333.0	18 ± 5.5
10000.0	18 ± 1.7
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>2</sup>	462 ± 27.4

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## Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 3.8	14 ± 1.2	12 ± 1.5	12 ± 1.5	9 ± 3.5
100.0	11 ± 3.0	13 ± 2.3	16 ± 4.9	10 ± 2.3	15 ± 1.8
333.0	14 ± 3.0	15 ± 1.2	14 ± 2.9	9 ± 1.7	14 ± 5.7
1000.0	14 ± 0.9	10 ± 3.4	20 ± 2.7	15 ± 0.3	12 ± 1.5
3333.0	11 ± 2.3	12 ± 3.0	17 ± 4.4	10 ± 1.3	10 ± 2.1
10000.0	16 ± 4.8	16 ± 0.6	16 ± 3.5	14 ± 0.9	10 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				131 ± 7.4	
Positive Control <sup>4</sup>		75 ± 4.5	40 ± 5.2		387 ± 16.8
Positive Control <sup>5</sup>	228 ± 21.1				

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Strain: TA1537

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Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 2.0	15 ± 1.2
100.0	14 ± 0.9	19 ± 2.9
333.0	12 ± 0.3	15 ± 0.0
1000.0	8 ± 4.7	21 ± 3.6
3333.0	9 ± 3.4	13 ± 3.8
10000.0	7 ± 2.0	19 ± 4.6
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	46 ± 4.3	
Positive Control <sup>4</sup>		127 ± 7.3
Positive Control <sup>5</sup>		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	129 ± 17.8	225 ± 2.5	115 ± 10.5	244 ± 5.9	239 ± 17.7
100.0	148 ± 6.8	206 ± 9.4	104 ± 5.8	234 ± 18.9	247 ± 11.9
333.0	128 ± 20.1	184 ± 17.9	108 ± 11.5	245 ± 9.3	226 ± 2.8
1000.0	135 ± 3.8	170 ± 14.6	100 ± 12.5	217 ± 4.2	262 ± 19.7
3333.0	131 ± 18.0	171 ± 5.7	111 ± 17.1	205 ± 4.4	267 ± 24.6
10000.0	Toxic	Toxic	79 ± 5.5 <sup>s</sup>	186 ± 12.2	294 ± 13.5
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>				485 ± 25.8	
Positive Control <sup>4</sup>					527 ± 25.3
Positive Control <sup>5</sup>	416 ± 8.6	578 ± 14.8	299 ± 1.3		



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**Strain: TA97**

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	117 ± 6.3	185 ± 3.2	104 ± 13.3	224 ± 18.8	171 ± 8.1
100.0	163 ± 17.2	218 ± 9.6	131 ± 4.5	291 ± 8.8	185 ± 7.5
333.0	195 ± 13.9	225 ± 7.2	125 ± 8.9	219 ± 14.3	204 ± 10.2
1000.0	193 ± 8.4	233 ± 14.4	153 ± 6.3	229 ± 7.8	200 ± 11.9
3333.0	171 ± 3.6	240 ± 17.3	106 ± 9.9	314 ± 18.0	205 ± 27.0
10000.0	84 ± 11.0 <sup>s</sup>	211 ± 18.7	122 ± 11.0	340 ± 7.8	221 ± 11.3
Trial Summary	Weakly Positive	Equivocal	Equivocal	Weakly Positive	Equivocal
Positive Control <sup>2</sup>		976 ± 38.8	947 ± 48.8	670 ± 21.0	387 ± 3.2
Positive Control <sup>4</sup>	426 ± 21.1				
Positive Control <sup>5</sup>					

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	172 ± 21.7	150 ± 6.7
100.0	180 ± 15.7	146 ± 4.3
333.0	208 ± 5.8	128 ± 15.1
1000.0	165 ± 16.7	124 ± 9.6
3333.0	194 ± 4.2	126 ± 5.7
10000.0	144 ± 3.7	152 ± 6.2
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	681 ± 16.4	663 ± 24.4
Positive Control <sup>4</sup>		
Positive Control <sup>5</sup>		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	27 ± 0.6	18 ± 0.6	19 ± 3.0	35 ± 5.9	24 ± 1.9
100.0	28 ± 2.6	19 ± 2.0	26 ± 1.2	28 ± 1.0	22 ± 3.8
333.0	25 ± 3.8	17 ± 1.5	22 ± 3.8	27 ± 1.2	16 ± 2.3
1000.0	28 ± 6.7	19 ± 2.6	23 ± 2.3	20 ± 1.9	21 ± 4.0
3333.0	35 ± 3.3	24 ± 5.0	26 ± 3.7	23 ± 1.5	24 ± 3.0
10000.0	15 ± 1.5	19 ± 0.6	21 ± 1.7	21 ± 3.8	29 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	228 ± 16.5	199 ± 20.8			
Positive Control <sup>2</sup>			884 ± 34.7	246 ± 16.3	2247 ± 14.2

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	40 ± 1.9
100.0	37 ± 4.9
333.0	43 ± 3.8
1000.0	48 ± 4.0
3333.0	45 ± 3.8
10000.0	29 ± 5.4
Trial Summary	Negative
Positive Control <sup>6</sup>	
Positive Control <sup>2</sup>	919 ± 18.3

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#### **LEGEND**

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Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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