

Experiment Number: 971460

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Tetrachlorophthalic anhydride

CAS Number: 117-08-8

Date Report Requested: 09/18/2018

Time Report Requested: 02:19:47

**NTP Study Number:**

971460

**Study Result:**

Negative

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	102 ± 5.3	100 ± 2.5	111 ± 8.1	100 ± 5.9	108 ± 9.7
33.3	90 ± 4.5		123 ± 8.4		90 ± 5.8
100.0	96 ± 4.0	103 ± 2.9	104 ± 5.1	87 ± 5.5	94 ± 15.6
333.3	95 ± 5.3	96 ± 10.2	99 ± 10.9	92 ± 9.5	92 ± 4.9
1000.0	82 ± 5.5	75 ± 8.0	110 ± 8.2	99 ± 0.9	75 ± 3.6
3333.3	88 ± 1.2 <sup>p</sup>	56 ± 8.4 <sup>s</sup>	102 ± 1.0 <sup>p</sup>	75 ± 0.7	64 ± 11.8
6666.7		Toxic		38 ± 3.7 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			627 ± 18.2	823 ± 37.4	1278 ± 34.7
Positive Control <sup>3</sup>	526 ± 12.0	358 ± 15.3			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	93 ± 2.3
33.3	
100.0	66 ± 5.1
333.3	59 ± 3.5
1000.0	59 ± 4.5
3333.3	52 ± 6.9
6666.7	31 ± 4.2
Trial Summary	Negative
Positive Control <sup>2</sup>	1953 ± 36.1
Positive Control <sup>3</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 3.1	15 ± 1.5	9 ± 0.3	8 ± 1.5	15 ± 1.9
33.3	14 ± 1.2		9 ± 2.5		16 ± 2.3
100.0	17 ± 1.0	17 ± 1.2	9 ± 1.7	7 ± 1.3	11 ± 2.0
333.3	20 ± 0.7	20 ± 4.3	11 ± 2.7	9 ± 0.0	11 ± 1.5
1000.0	18 ± 3.5	16 ± 2.6	13 ± 4.2	11 ± 2.4	8 ± 1.5
3333.3	13 ± 5.5 <sup>p</sup>	12 ± 1.7 <sup>s</sup>	8 ± 2.2 <sup>p</sup>	9 ± 0.9	9 ± 2.9
6666.7		Toxic		6 ± 3.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	444 ± 17.0	338 ± 21.3			
Positive Control <sup>4</sup>			374 ± 12.8	321 ± 21.4	458 ± 3.3

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.9
33.3	
100.0	12 ± 3.3
333.3	6 ± 1.2
1000.0	10 ± 1.8
3333.3	9 ± 1.5
6666.7	7 ± 1.5
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	340 ± 27.4

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.5	7 ± 1.7	24 ± 4.3	16 ± 0.9	24 ± 1.7
33.3	9 ± 0.7		24 ± 4.3		26 ± 1.3
100.0	6 ± 1.9	8 ± 0.9	21 ± 2.0	12 ± 2.4	24 ± 1.8
333.3	9 ± 1.5	8 ± 0.9	29 ± 1.8	12 ± 2.6	28 ± 1.2
1000.0	7 ± 1.2	7 ± 1.0	22 ± 2.2	12 ± 1.7	20 ± 2.7
3333.3	6 ± 0.9 <sup>p</sup>	7 ± 0.9 <sup>s</sup>	27 ± 2.1 <sup>p</sup>	8 ± 0.3	14 ± 1.2
6666.7		0 ± 0.0 <sup>s</sup>		6 ± 1.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			238 ± 45.9	553 ± 191.4	245 ± 7.5
Positive Control <sup>5</sup>	166 ± 5.6	59 ± 6.9			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 1.3
33.3	
100.0	12 ± 2.1
333.3	12 ± 1.5
1000.0	10 ± 2.3
3333.3	9 ± 2.4
6666.7	4 ± 0.9
Trial Summary	Negative
Positive Control <sup>4</sup>	221 ± 28.0
Positive Control <sup>5</sup>	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.5	26 ± 4.0	34 ± 3.1	36 ± 2.3	46 ± 4.2
33.3	13 ± 3.5		29 ± 2.1		35 ± 1.5
100.0	13 ± 3.5	25 ± 3.1	33 ± 6.8	34 ± 3.5	33 ± 6.0
333.3	13 ± 2.6	31 ± 3.5	28 ± 2.3	34 ± 1.5	26 ± 1.9
1000.0	18 ± 1.5	27 ± 1.3	27 ± 3.5	37 ± 2.1	26 ± 0.3
3333.3	15 ± 0.3	12 ± 1.7	26 ± 3.8 <sup>p</sup>	28 ± 2.6	24 ± 4.5
6666.7		15 ± 3.1 <sup>s</sup>		26 ± 4.3	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			798 ± 62.0	847 ± 64.9	1397 ± 41.3
Positive Control <sup>6</sup>	615 ± 9.0	738 ± 59.5			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 2.1
33.3	
100.0	38 ± 2.7
333.3	37 ± 3.2
1000.0	35 ± 5.0
3333.3	38 ± 1.9
6666.7	32 ± 2.9
Trial Summary	Negative
Positive Control <sup>2</sup>	1596 ± 54.6
Positive Control <sup>6</sup>	

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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: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

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