

Experiment Number: 586179

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Tetrachlorophthalic anhydride**

CAS Number: 117-08-8

Date Report Requested: **09/14/2018**

Time Report Requested: **12:23:36**

**NTP Study Number:**

586179

**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>	84 ± 3.3	96 ± 5.8	108 ± 15.5	116 ± 5.2	100 ± 5.4
1.0	76 ± 4.4		97 ± 8.7		74 ± 4.4
3.3	80 ± 1.2		97 ± 5.8		89 ± 12.1
10.0	78 ± 1.2	89 ± 6.6	98 ± 6.1	94 ± 5.7	111 ± 1.8
33.0	90 ± 1.9	99 ± 11.4	104 ± 8.1	92 ± 10.0	104 ± 2.3
100.0	97 ± 7.1	93 ± 12.2	94 ± 8.1	89 ± 6.9	109 ± 2.6
333.0		92 ± 6.7		82 ± 14.2	
1000.0		94 ± 10.1		81 ± 13.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1822 ± 84.6	1239 ± 45.7	1631 ± 49.2
Positive Control <sup>3</sup>	348 ± 78.7	292 ± 7.7			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	122 ± 8.9
1.0	
3.3	
10.0	99 ± 19.0
33.0	101 ± 13.4
100.0	108 ± 13.0
333.0	103 ± 14.4
1000.0	95 ± 17.7
Trial Summary	Negative
Positive Control <sup>2</sup>	1272 ± 15.5
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>	4 ± 0.9	5 ± 0.6	5 ± 1.5	7 ± 0.9	4 ± 1.2
1.0	2 ± 0.9		6 ± 1.9		3 ± 0.7
3.3	1 ± 0.0		1 ± 0.6		4 ± 0.7
10.0	3 ± 1.0	6 ± 1.2	3 ± 0.3	11 ± 5.6	2 ± 0.3
33.0	2 ± 0.6	6 ± 2.1	3 ± 0.3	5 ± 0.5	3 ± 0.3
100.0	4 ± 0.3	6 ± 1.5	2 ± 1.5	5 ± 2.0	6 ± 3.1
333.0		5 ± 0.3		8 ± 2.7	
1000.0		5 ± 2.4		7 ± 3.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			95 ± 3.2	89 ± 3.3	86 ± 6.3
Positive Control <sup>3</sup>	379 ± 9.4	438 ± 16.0			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 2.5
1.0	
3.3	
10.0	8 ± 3.4
33.0	7 ± 1.5
100.0	9 ± 0.9
333.0	6 ± 0.7
1000.0	9 ± 0.7
Trial Summary	Negative
Positive Control <sup>2</sup>	64 ± 4.8
Positive Control <sup>3</sup>	

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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>	2 ± 0.3	3 ± 0.3	4 ± 0.7	6 ± 0.5	4 ± 0.7
1.0	2 ± 0.0		3 ± 0.6		3 ± 0.6
3.3	2 ± 0.9		4 ± 0.3		5 ± 2.4
10.0	1 ± 0.6	5 ± 2.4	2 ± 0.3	9 ± 5.5	4 ± 1.5
33.0	2 ± 0.3	5 ± 2.3	3 ± 0.9	5 ± 0.9	3 ± 0.0
100.0	2 ± 0.7	6 ± 3.5	1 ± 0.9	3 ± 1.0	5 ± 2.3
333.0		3 ± 0.3		4 ± 0.9	
1000.0		3 ± 0.9		3 ± 0.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			43 ± 3.0	106 ± 21.6	118 ± 3.5
Positive Control <sup>4</sup>	531 ± 70.5	678 ± 77.0			

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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>	6 ± 0.6
1.0	
3.3	
10.0	5 ± 0.7
33.0	3 ± 0.9
100.0	5 ± 1.7
333.0	3 ± 1.7
1000.0	4 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	70 ± 3.2
Positive Control <sup>4</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>	11 ± 1.8	14 ± 4.6	15 ± 2.4	19 ± 3.8	16 ± 0.3
1.0	14 ± 0.0		11 ± 2.3		11 ± 0.3
3.3	14 ± 2.0		10 ± 1.8		14 ± 2.2
10.0	11 ± 0.6	18 ± 2.3	11 ± 1.2	21 ± 3.4	16 ± 3.8
33.0	16 ± 2.0	18 ± 3.3	13 ± 2.9	21 ± 1.9	11 ± 0.0
100.0	14 ± 1.7	15 ± 1.8	13 ± 1.2	12 ± 2.9	9 ± 0.3
333.0		18 ± 0.6		14 ± 2.0	
1000.0		12 ± 3.8		18 ± 2.4	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1384 ± 48.9	1103 ± 174.7	1180 ± 153.4
Positive Control <sup>5</sup>	154 ± 4.2	206 ± 5.0			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 2.6
1.0	
3.3	
10.0	19 ± 0.6
33.0	15 ± 2.0
100.0	14 ± 2.7
333.0	20 ± 2.3
1000.0	18 ± 3.5
Trial Summary	Negative
Positive Control <sup>2</sup>	1237 ± 23.3
Positive Control <sup>5</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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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