

Experiment Number: 079950

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Diallyl phthalate

CAS Number: 131-17-9

Date Report Requested: 09/11/2018

Time Report Requested: 01:10:33

**NTP Study Number:**

079950

**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>	142 ± 5.0	113 ± 5.6	122 ± 3.4	161 ± 7.0	135 ± 3.4
1.0				167 ± 6.2	
3.3				158 ± 8.5	
10.0	140 ± 4.7	121 ± 14.2	103 ± 3.6	152 ± 4.0	98 ± 3.9
33.0	144 ± 5.9	130 ± 6.1	93 ± 5.1	136 ± 5.8	96 ± 5.2
100.0	137 ± 15.6	127 ± 4.5	86 ± 2.5	100 ± 2.4	92 ± 2.3
333.0	143 ± 7.1	112 ± 8.7 <sup>s</sup>	64 ± 7.7		71 ± 8.7
1000.0	138 ± 11.6 <sup>s</sup>	124 ± 5.8 <sup>s</sup>	21 ± 3.1		32 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1038 ± 29.6
Positive Control <sup>3</sup>			822 ± 56.0	1202 ± 61.9	
Positive Control <sup>4</sup>	1197 ± 45.6	1195 ± 13.2			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	156 ± 11.1
1.0	161 ± 12.9
3.3	137 ± 0.7
10.0	137 ± 3.0
33.0	119 ± 11.9
100.0	89 ± 0.7
333.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1151 ± 49.7
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 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	22 ± 2.7	18 ± 3.4	12 ± 2.3	13 ± 2.3	15 ± 2.7
1.0				15 ± 2.1	
3.3				11 ± 2.0	
10.0	28 ± 1.0	14 ± 2.3	11 ± 2.1	12 ± 0.9	12 ± 0.7
33.0	28 ± 2.1	18 ± 4.0	13 ± 3.1	8 ± 1.5	13 ± 1.5
100.0	26 ± 1.8	21 ± 3.2	16 ± 4.0	11 ± 0.9	9 ± 1.2
333.0	18 ± 3.2	14 ± 2.1 <sup>s</sup>	10 ± 1.7		14 ± 1.8
1000.0	31 ± 0.3 <sup>s</sup>	24 ± 2.8 <sup>s</sup>	3 ± 1.2		6 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					67 ± 13.9
Positive Control <sup>3</sup>			48 ± 0.9	78 ± 5.4	
Positive Control <sup>4</sup>	868 ± 16.0	948 ± 13.3			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 2.1
1.0	12 ± 1.0
3.3	13 ± 1.5
10.0	8 ± 0.7
33.0	11 ± 1.5
100.0	9 ± 1.0
333.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	70 ± 8.1
Positive Control <sup>3</sup>	
Positive Control <sup>4</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>	5 ± 0.6	4 ± 1.7	5 ± 2.3	11 ± 2.0	9 ± 0.6
1.0				7 ± 1.5	
3.3				9 ± 0.0	
10.0	7 ± 1.5	6 ± 1.2	7 ± 2.5	11 ± 2.7	5 ± 2.6
33.0	8 ± 1.2	6 ± 0.9	5 ± 1.2	8 ± 0.5	6 ± 1.2
100.0	3 ± 0.9	6 ± 0.7	3 ± 0.3	7 ± 0.0	5 ± 1.0
333.0	4 ± 1.2	4 ± 1.5 <sup>s</sup>	4 ± 0.6		4 ± 1.2
1000.0	4 ± 0.0 <sup>s</sup>	6 ± 1.2 <sup>s</sup>	3 ± 0.9		3 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					71 ± 5.2
Positive Control <sup>3</sup>			47 ± 3.5	96 ± 5.1	
Positive Control <sup>5</sup>	187 ± 37.4	169 ± 11.8			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 1.7
1.0	8 ± 1.7
3.3	7 ± 0.7
10.0	6 ± 1.2
33.0	6 ± 1.5
100.0	9 ± 3.4
333.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	79 ± 5.8
Positive Control <sup>3</sup>	
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>	15 ± 3.0	10 ± 1.9	16 ± 1.2	27 ± 2.2	23 ± 1.7
1.0				28 ± 0.9	
3.3				33 ± 0.3	
10.0	17 ± 1.3	19 ± 2.0	24 ± 1.3	32 ± 3.8	26 ± 0.7
33.0	16 ± 2.4	16 ± 2.6	21 ± 1.9	23 ± 3.0	28 ± 3.5
100.0	14 ± 2.6	19 ± 2.2	16 ± 1.9	19 ± 1.8	14 ± 0.9
333.0	16 ± 0.9	14 ± 2.2	15 ± 2.3		14 ± 1.9
1000.0	22 ± 2.4	17 ± 3.2	7 ± 2.0		6 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					870 ± 20.6
Positive Control <sup>3</sup>			354 ± 13.2	1066 ± 61.6	
Positive Control <sup>6</sup>	1281 ± 14.0	1168 ± 33.3			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 1.8
1.0	32 ± 2.3
3.3	30 ± 3.2
10.0	29 ± 2.6
33.0	25 ± 4.9
100.0	23 ± 3.2
333.0	
1000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1208 ± 8.5
Positive Control <sup>3</sup>	
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: Dimethyl Sulfoxide

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

\*\* END OF REPORT \*\*