

Experiment Number: 258261

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: **02:44:06**

**NTP Study Number:**

258261

**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>	110 ± 12.2	125 ± 7.3	186 ± 25.4	244 ± 12.5	210 ± 7.0
33.0		167 ± 15.4		287 ± 18.2	
100.0	94 ± 5.0	131 ± 12.2	131 ± 5.0	305 ± 15.6	153 ± 1.5
333.0	87 ± 6.2	97 ± 12.5	106 ± 1.7	121 ± 9.2	92 ± 5.5
1000.0	Toxic	166 ± 14.0	62 ± 9.3	72 ± 9.5	55 ± 3.5
3333.0	62 ± 6.2	104 ± 17.5	19 ± 6.6	27 ± 3.6	21 ± 10.1
10000.0	48 ± 1.8		0 ± 0.0		2 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1487 ± 88.1	1181 ± 133.1	1794 ± 137.6
Positive Control <sup>3</sup>	405 ± 16.3	554 ± 76.7			

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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>	237 ± 6.8
33.0	280 ± 6.1
100.0	286 ± 5.7
333.0	212 ± 8.3
1000.0	212 ± 6.5
3333.0	227 ± 7.0
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	2030 ± 222.9
Positive Control <sup>3</sup>	

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 0.7	6 ± 0.3	5 ± 2.1	7 ± 1.2	7 ± 1.5
33.0		4 ± 0.9		7 ± 0.7	
100.0	7 ± 0.9	4 ± 1.3	8 ± 1.5	8 ± 1.8	4 ± 0.6
333.0	3 ± 0.3	4 ± 0.7	6 ± 1.5	6 ± 1.5	3 ± 0.3
1000.0	2 ± 0.3	2 ± 1.5	1 ± 0.6	2 ± 0.7	0 ± 0.0
3333.0	1 ± 0.6	1 ± 0.3	2 ± 1.2	2 ± 0.6	1 ± 0.6
10000.0	1 ± 0.3		1 ± 0.6		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			33 ± 2.9	331 ± 61.3	41 ± 0.9
Positive Control <sup>3</sup>	67 ± 8.1	95 ± 5.2			

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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 ± 1.2
33.0	10 ± 2.6
100.0	13 ± 1.5
333.0	15 ± 2.6
1000.0	2 ± 1.2
3333.0	2 ± 1.2
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	56 ± 5.2
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

Test Compound: Diallyl phthalate

CAS Number: 131-17-9

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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 ± 1.3	3 ± 1.2	7 ± 0.3	7 ± 0.3	7 ± 2.0
33.0		3 ± 0.6		7 ± 1.5	
100.0	4 ± 0.3	3 ± 0.3	7 ± 0.6	5 ± 0.9	7 ± 0.7
333.0	3 ± 0.7	3 ± 0.6	3 ± 0.0	3 ± 0.9	4 ± 0.0
1000.0	1 ± 0.3	3 ± 1.2	3 ± 1.2	1 ± 0.9	1 ± 0.3
3333.0	1 ± 0.0	3 ± 0.9	1 ± 0.6	0 ± 0.3	1 ± 0.3
10000.0	1 ± 0.6		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			161 ± 22.9	297 ± 60.5	65 ± 10.4
Positive Control <sup>4</sup>	181 ± 22.9	28 ± 6.2			

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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>	10 ± 1.7
33.0	11 ± 3.0
100.0	16 ± 2.8
333.0	11 ± 2.6
1000.0	4 ± 1.8
3333.0	3 ± 1.5
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	125 ± 6.1
Positive Control <sup>4</sup>	

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 1.7	14 ± 2.5	18 ± 4.0	19 ± 1.8	20 ± 3.8
33.0				27 ± 1.2	
100.0	15 ± 5.5	12 ± 1.5	13 ± 1.2	15 ± 6.1	5 ± 1.2
333.0	11 ± 0.9	12 ± 2.0	6 ± 1.0	7 ± 0.7	6 ± 1.2
1000.0	6 ± 0.6	7 ± 2.5	10 ± 2.0	7 ± 2.5	2 ± 0.3
3333.0	13 ± 1.8	11 ± 2.6	0 ± 0.0	Toxic	1 ± 0.3
10000.0	7 ± 2.6	13 ± 5.1	0 ± 0.0		1 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			749 ± 57.6	554 ± 19.1	1467 ± 166.9
Positive Control <sup>5</sup>	206 ± 9.6	156 ± 8.8			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 1.2
33.0	12 ± 0.9
100.0	7 ± 0.7
333.0	5 ± 1.2
1000.0	3 ± 0.7
3333.0	1 ± 0.0
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1268 ± 47.6
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 \*\***