

Experiment Number: 037357

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Diundecyl phthalate

CAS Number: 3648-20-2

Date Report Requested: 09/14/2018

Time Report Requested: 19:49:21

**NTP Study Number:**

037357

**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>	112 ± 5.8	116 ± 7.8	114 ± 6.0	114 ± 6.9	106 ± 2.3
10.0	113 ± 1.7	121 ± 21.2			
33.0	101 ± 6.4	96 ± 5.9			
100.0	111 ± 1.2	103 ± 6.1	108 ± 8.5	140 ± 9.3	110 ± 2.9
333.0	106 ± 6.7	90 ± 6.7	107 ± 4.8	133 ± 4.8	124 ± 14.7
1000.0	94 ± 3.6 <sup>s</sup>	89 ± 13.2	106 ± 2.6	127 ± 12.3	119 ± 14.4
3333.0			104 ± 5.6	114 ± 13.5	99 ± 7.7
10000.0			60 ± 9.3 <sup>p</sup>	114 ± 3.3 <sup>p</sup>	63 ± 0.9 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			455 ± 11.5	1046 ± 72.0	1578 ± 41.2
Positive Control <sup>3</sup>	414 ± 9.4	361 ± 3.2			

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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>	135 ± 6.9
10.0	
33.0	
100.0	108 ± 12.5
333.0	121 ± 7.2
1000.0	109 ± 2.2
3333.0	99 ± 4.8
10000.0	89 ± 9.0 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1316 ± 178.5
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>	27 ± 3.8	35 ± 4.6	10 ± 2.8	9 ± 2.3	17 ± 1.7
10.0	24 ± 3.6	29 ± 1.8			
33.0	32 ± 4.1	31 ± 0.9			
100.0	31 ± 2.6	31 ± 2.9	12 ± 1.5	8 ± 0.9	11 ± 2.5
333.0	28 ± 4.3	28 ± 4.8	10 ± 1.2	7 ± 0.7	8 ± 2.4
1000.0	24 ± 3.6	23 ± 4.3	10 ± 1.9	11 ± 2.1	12 ± 3.8
3333.0			11 ± 3.0	6 ± 0.0	10 ± 1.7
10000.0			4 ± 0.7 <sup>p</sup>	10 ± 1.3 <sup>p</sup>	6 ± 1.5 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	501 ± 3.0	449 ± 32.9			
Positive Control <sup>4</sup>			246 ± 24.7	209 ± 9.0	534 ± 3.2

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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>	16 ± 1.5
10.0	
33.0	
100.0	12 ± 2.3
333.0	8 ± 1.2
1000.0	7 ± 0.9
3333.0	9 ± 1.7
10000.0	12 ± 1.7 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	564 ± 13.0

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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>	6 ± 1.3	5 ± 1.5	9 ± 1.8	7 ± 2.1	7 ± 2.9
10.0	5 ± 2.0	6 ± 1.5			
33.0	6 ± 1.5	7 ± 2.1			
100.0	5 ± 1.5	3 ± 0.3	6 ± 0.9	7 ± 0.3	6 ± 0.7
333.0	7 ± 0.3	5 ± 1.5	5 ± 1.8	6 ± 1.5	8 ± 0.9
1000.0	4 ± 1.5	4 ± 1.5	6 ± 1.7	4 ± 1.5	8 ± 2.9
3333.0			6 ± 0.3	6 ± 2.1	5 ± 0.9
10000.0			4 ± 1.2 <sup>p</sup>	6 ± 0.6 <sup>p</sup>	6 ± 3.0 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			127 ± 2.1	210 ± 1.8	287 ± 13.7
Positive Control <sup>5</sup>	414 ± 93.3	181 ± 11.0			

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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>	5 ± 0.7
10.0	
33.0	
100.0	5 ± 1.5
333.0	7 ± 1.7
1000.0	5 ± 0.9
3333.0	5 ± 1.9
10000.0	8 ± 1.5 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	357 ± 66.4
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>	19 ± 2.9	20 ± 3.5	29 ± 5.0	28 ± 0.9	33 ± 2.1
10.0	13 ± 3.8	14 ± 0.3			
33.0	13 ± 0.6	17 ± 0.0			
100.0	17 ± 1.2	17 ± 2.2	26 ± 3.8	29 ± 2.0	27 ± 0.6
333.0	14 ± 0.3	13 ± 0.7	26 ± 4.7	29 ± 2.6	27 ± 3.5
1000.0	10 ± 1.8 <sup>s</sup>	13 ± 0.6	22 ± 1.5	24 ± 3.2	23 ± 2.9
3333.0			20 ± 2.6	23 ± 3.2	22 ± 3.0
10000.0			16 ± 0.9 <sup>p</sup>	26 ± 0.6 <sup>p</sup>	20 ± 3.9 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			427 ± 63.3	919 ± 31.5	1493 ± 10.8
Positive Control <sup>6</sup>	818 ± 37.7	876 ± 40.4			



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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>	28 ± 2.3
10.0	
33.0	
100.0	21 ± 4.0
333.0	22 ± 4.7
1000.0	26 ± 3.5
3333.0	26 ± 1.2
10000.0	20 ± 3.7 <sup>P</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	1543 ± 78.5
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: 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 \*\***