

Experiment Number: 699952

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Di(n-hexyl)phthalate

CAS Number: 84-75-3

Date Report Requested: 09/11/2018

Time Report Requested: 18:40:11

**NTP Study Number:**

699952

**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>	111 ± 1.5	122 ± 3.0	128 ± 9.4	129 ± 0.9	125 ± 7.0
100.0	113 ± 1.9	110 ± 10.9	114 ± 8.4	118 ± 9.9	119 ± 6.4
333.0	125 ± 4.1	105 ± 5.9	113 ± 1.2	121 ± 3.3	111 ± 13.0
1000.0	115 ± 8.0	111 ± 10.7	106 ± 5.2	102 ± 3.6	106 ± 2.6
3333.0	90 ± 2.8	77 ± 1.8	119 ± 9.6	102 ± 4.0	116 ± 6.7
10000.0	52 ± 16.4 <sup>s</sup>	24 ± 24.0 <sup>s</sup>	99 ± 6.4	95 ± 10.8	96 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	448 ± 29.5	318 ± 8.5			
Positive Control <sup>3</sup>			535 ± 15.9	568 ± 4.6	1000 ± 38.4

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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>	127 ± 9.5
100.0	113 ± 6.5
333.0	101 ± 8.2
1000.0	110 ± 6.9
3333.0	110 ± 9.5
10000.0	103 ± 8.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1242 ± 24.3

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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>	36 ± 2.8	24 ± 3.0	17 ± 0.9	8 ± 1.9	19 ± 2.3
100.0	34 ± 2.9	19 ± 6.6	17 ± 2.3	13 ± 0.9	16 ± 0.7
333.0	29 ± 5.3	16 ± 2.1	9 ± 0.3	12 ± 3.0	15 ± 1.5
1000.0	25 ± 5.8	24 ± 2.5	15 ± 4.1	9 ± 2.3	12 ± 2.7
3333.0	18 ± 1.2	8 ± 1.3	14 ± 2.3	13 ± 1.0	12 ± 1.7
10000.0	0 ± 0.0 <sup>s</sup>	17 ± 3.5	10 ± 2.0	9 ± 2.6	9 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	406 ± 15.3	307 ± 9.6			
Positive Control <sup>4</sup>			286 ± 12.1	241 ± 9.9	359 ± 12.0

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.3
100.0	11 ± 1.8
333.0	7 ± 1.5
1000.0	7 ± 3.0
3333.0	10 ± 2.1
10000.0	5 ± 1.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	329 ± 35.0

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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 ± 1.5	4 ± 1.2	14 ± 2.0	5 ± 2.3	7 ± 1.9
100.0	5 ± 0.6	7 ± 2.6	7 ± 1.3	8 ± 0.9	7 ± 1.2
333.0	6 ± 0.9	7 ± 0.3	6 ± 2.1	11 ± 3.7	7 ± 0.9
1000.0	8 ± 2.0	4 ± 1.8	6 ± 0.9	7 ± 1.2	7 ± 0.9
3333.0	9 ± 2.1	6 ± 1.8	6 ± 0.6	9 ± 2.0	9 ± 3.2
10000.0	0 ± 0.0 <sup>s</sup>	1 ± 1.0 <sup>s</sup>	9 ± 2.8	9 ± 1.7	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			166 ± 6.7	161 ± 0.3	497 ± 15.6
Positive Control <sup>5</sup>	318 ± 30.9	97 ± 14.3			

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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>	8 ± 3.1
100.0	7 ± 0.7
333.0	6 ± 0.7
1000.0	11 ± 2.6
3333.0	7 ± 0.7
10000.0	7 ± 0.6
Trial Summary	Negative
Positive Control <sup>4</sup>	340 ± 8.3
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>	18 ± 1.7	11 ± 3.5	39 ± 4.3	34 ± 2.5	37 ± 3.2
100.0	18 ± 3.1	16 ± 0.9	32 ± 1.5	37 ± 4.9	26 ± 3.2
333.0	21 ± 1.8	12 ± 2.0	32 ± 2.9	42 ± 0.7	36 ± 2.9
1000.0	20 ± 4.1	8 ± 0.7	32 ± 2.3	38 ± 4.1	33 ± 3.5
3333.0	11 ± 3.5	11 ± 2.5	32 ± 3.7	34 ± 3.2	33 ± 2.1
10000.0	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	34 ± 2.7	32 ± 3.5	28 ± 6.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			364 ± 14.5	409 ± 4.6	1026 ± 35.5
Positive Control <sup>6</sup>	711 ± 7.8	504 ± 27.8			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 1.2
100.0	31 ± 5.7
333.0	34 ± 4.4
1000.0	34 ± 2.3
3333.0	26 ± 1.5
10000.0	29 ± 6.7
Trial Summary	Negative
Positive Control <sup>3</sup>	927 ± 10.3
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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

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