

Experiment Number: 195347

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

G06: Ames Summary Data

Test Compound: **Di(2-ethylhexyl) Phthalate**

CAS Number: 117-81-7

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

Time Report Requested: **07:34:52**

NTP Study Number:

195347

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 ¹	67 ± 2.7	113 ± 7.9	82 ± 2.0	117 ± 6.1	70 ± 2.2
100.0	74 ± 3.5	120 ± 7.8	74 ± 1.3	141 ± 2.0	73 ± 7.5
333.3	67 ± 3.5	110 ± 3.8	75 ± 4.4	145 ± 8.5	70 ± 6.4
1000.0	66 ± 7.1 ^P	112 ± 11.3 ^P	70 ± 2.9 ^P	136 ± 6.1 ^P	67 ± 5.0 ^P
3333.3	42 ± 20.9 ^P	111 ± 12.7 ^P	76 ± 3.7 ^P	115 ± 7.7 ^P	71 ± 4.0 ^P
10000.0	66 ± 5.9 ^P	120 ± 10.7 ^P	74 ± 2.4 ^P	137 ± 5.9 ^P	73 ± 4.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1992 ± 114.2
Positive Control ³			1297 ± 58.5	1355 ± 68.3	
Positive Control ⁴	1588 ± 41.4	1382 ± 18.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	137 ± 3.2
100.0	127 ± 6.6
333.3	141 ± 10.2
1000.0	131 ± 1.2 ^P
3333.3	131 ± 8.1 ^P
10000.0	159 ± 0.7 ^P
Trial Summary	Negative
Positive Control ²	2699 ± 137.5
Positive Control ³	
Positive Control ⁴	

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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 ¹	9 ± 2.0	12 ± 2.7	11 ± 1.5	10 ± 1.2	6 ± 1.2
100.0	11 ± 0.9	12 ± 1.5	10 ± 2.2	9 ± 0.6	10 ± 0.6
333.3	9 ± 1.5	11 ± 1.2	9 ± 1.2	10 ± 1.7	8 ± 1.0
1000.0	11 ± 0.3 ^P	14 ± 4.1 ^P	9 ± 1.2 ^P	9 ± 1.9 ^P	5 ± 1.2 ^P
3333.3	10 ± 1.9 ^P	13 ± 4.1 ^P	8 ± 0.9 ^P	7 ± 1.9 ^P	7 ± 1.7 ^P
10000.0	10 ± 0.3 ^P	12 ± 3.0 ^P	9 ± 0.3 ^P	9 ± 3.5 ^P	8 ± 1.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					156 ± 17.7
Positive Control ³			134 ± 5.9	72 ± 5.8	
Positive Control ⁴	1110 ± 26.0	942 ± 15.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9
100.0	10 ± 2.3
333.3	7 ± 1.2
1000.0	7 ± 1.5 ^P
3333.3	5 ± 0.7 ^P
10000.0	7 ± 2.1 ^P
Trial Summary	Negative
Positive Control ²	141 ± 12.3
Positive Control ³	
Positive Control ⁴	

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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 ¹	4 ± 0.3	6 ± 1.7	7 ± 1.9	8 ± 1.5	7 ± 1.5
100.0	3 ± 0.3	6 ± 1.2	8 ± 0.9	8 ± 0.9	7 ± 3.4
333.3	4 ± 1.0	6 ± 2.4	5 ± 1.2	6 ± 0.7	5 ± 0.6
1000.0	3 ± 0.9 ^P	6 ± 2.4 ^P	7 ± 1.7 ^P	7 ± 1.5 ^P	5 ± 1.2 ^P
3333.3	3 ± 1.5 ^P	4 ± 0.9 ^P	5 ± 1.2 ^P	4 ± 0.9 ^P	5 ± 1.2 ^P
10000.0	4 ± 1.2 ^P	5 ± 1.5 ^P	5 ± 1.8 ^P	6 ± 2.3 ^P	6 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					77 ± 4.3
Positive Control ³			48 ± 6.3	97 ± 7.2	
Positive Control ⁵	788 ± 56.6	197 ± 13.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.5
100.0	7 ± 1.3
333.3	5 ± 1.7
1000.0	4 ± 1.5 ^p
3333.3	8 ± 1.0 ^p
10000.0	8 ± 0.3 ^p
Trial Summary	Negative
Positive Control ²	341 ± 30.9
Positive Control ³	
Positive Control ⁵	

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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 ¹	14 ± 2.6	12 ± 2.9	17 ± 0.3	22 ± 4.3	19 ± 1.0
100.0	12 ± 2.9	17 ± 0.6	21 ± 1.7	20 ± 1.5	25 ± 1.2
333.3	10 ± 1.8	20 ± 2.5	24 ± 2.4	20 ± 0.6	25 ± 1.2
1000.0	11 ± 1.5 ^P	18 ± 4.4 ^P	22 ± 1.7 ^P	20 ± 3.1 ^P	24 ± 2.2 ^P
3333.3	11 ± 1.3 ^P	15 ± 5.4 ^P	23 ± 3.2 ^P	20 ± 3.5 ^P	20 ± 0.6 ^P
10000.0	12 ± 2.0 ^P	17 ± 3.5 ^P	23 ± 1.5 ^P	21 ± 1.5 ^P	20 ± 2.1 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1869 ± 42.5
Positive Control ³			1262 ± 15.0	1608 ± 29.7	
Positive Control ⁶	1964 ± 12.6	1404 ± 23.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 3.7
100.0	24 ± 4.1
333.3	20 ± 1.2
1000.0	21 ± 2.0 ^P
3333.3	19 ± 0.3 ^P
10000.0	11 ± 1.2 ^S
Trial Summary	Negative
Positive Control ²	2798 ± 117.9
Positive Control ³	
Positive Control ⁶	

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LEGEND

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

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****