

Experiment Number: 960176

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

G06: Ames Summary Data

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

CAS Number: 117-81-7

Date Report Requested: **09/17/2018**

Time Report Requested: **18:01:26**

NTP Study Number:

960176

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	117 ± 8.2	145 ± 6.8	129 ± 5.2	147 ± 17.9	132 ± 3.2
100.0	115 ± 4.5	144 ± 9.3	133 ± 2.7	150 ± 15.6	129 ± 3.3
333.0	110 ± 4.1	131 ± 3.8	137 ± 7.3	156 ± 4.1	115 ± 3.4
1000.0	130 ± 3.8	140 ± 6.1	116 ± 1.2	141 ± 2.1	119 ± 9.9
3333.0	114 ± 5.9	142 ± 5.2	135 ± 4.2	142 ± 18.9	111 ± 2.6
10000.0	111 ± 3.8 ^p	140 ± 8.7	111 ± 3.6 ^p	149 ± 4.4	123 ± 5.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2030 ± 35.5
Positive Control ³			1189 ± 1.2	2059 ± 66.7	
Positive Control ⁴	1440 ± 26.8	2313 ± 36.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	133 ± 4.6
100.0	142 ± 7.4
333.0	133 ± 3.5
1000.0	151 ± 5.5
3333.0	149 ± 3.2
10000.0	143 ± 1.0
Trial Summary	Negative
Positive Control ²	2624 ± 69.1
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	26 ± 5.4	24 ± 3.5	20 ± 0.6	21 ± 1.2	15 ± 1.8
100.0	19 ± 2.1	27 ± 3.1	18 ± 1.2	25 ± 1.8	14 ± 0.7
333.0	23 ± 3.6	25 ± 2.9	19 ± 1.7	14 ± 3.7	18 ± 2.6
1000.0	22 ± 2.3	25 ± 3.8	18 ± 1.8	21 ± 1.2	18 ± 2.6
3333.0	19 ± 3.7	27 ± 3.3	24 ± 4.0	21 ± 2.2	18 ± 2.5
10000.0	16 ± 1.5 ^p	19 ± 3.4	20 ± 2.2 ^p	20 ± 2.7	16 ± 2.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					168 ± 13.0
Positive Control ³			69 ± 3.2	58 ± 5.8	
Positive Control ⁴	1077 ± 31.2	1960 ± 19.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.9
100.0	17 ± 1.5
333.0	21 ± 2.1
1000.0	16 ± 2.0
3333.0	19 ± 3.5
10000.0	14 ± 3.7
Trial Summary	Negative
Positive Control ²	125 ± 6.1
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	8 ± 1.0	4 ± 2.0	7 ± 0.9	5 ± 1.2	6 ± 1.5
100.0	4 ± 0.6	8 ± 1.5	6 ± 1.3	7 ± 1.7	9 ± 3.0
333.0	8 ± 1.9	7 ± 1.3	9 ± 0.6	6 ± 0.9	7 ± 1.2
1000.0	7 ± 1.7	10 ± 1.8	7 ± 0.3	9 ± 2.0	11 ± 1.5
3333.0	5 ± 1.5	10 ± 2.0	4 ± 0.9	9 ± 2.0	10 ± 0.3
10000.0	6 ± 1.5 ^p	9 ± 1.0	9 ± 0.9 ^p	6 ± 0.9	6 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					169 ± 17.8
Positive Control ³			122 ± 2.5	178 ± 7.2	
Positive Control ⁵	167 ± 39.9	229 ± 14.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9
100.0	10 ± 2.3
333.0	10 ± 1.2
1000.0	7 ± 0.6
3333.0	8 ± 1.2
10000.0	4 ± 1.2
Trial Summary	Negative
Positive Control ²	178 ± 29.8
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	17 ± 2.3	23 ± 3.5	32 ± 2.6	35 ± 0.9	30 ± 4.4
100.0	25 ± 0.9	27 ± 1.5	39 ± 5.3	30 ± 1.9	37 ± 3.5
333.0	21 ± 2.2	27 ± 5.6	29 ± 1.7	38 ± 5.3	34 ± 2.0
1000.0	20 ± 4.2	23 ± 4.6	35 ± 1.2	32 ± 3.5	33 ± 3.0
3333.0	19 ± 0.6	23 ± 1.0	35 ± 2.5	32 ± 4.3	32 ± 6.4
10000.0	20 ± 3.1 ^P	21 ± 0.7	31 ± 3.3 ^P	31 ± 1.8	29 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1447 ± 106.7
Positive Control ³			811 ± 120.0	1537 ± 18.3	
Positive Control ⁶	937 ± 18.8	1528 ± 37.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	38 ± 2.3
100.0	38 ± 3.8
333.0	36 ± 2.7
1000.0	32 ± 2.7
3333.0	36 ± 3.5
10000.0	31 ± 4.3
Trial Summary	Negative
Positive Control ²	2721 ± 98.9
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: 95% Ethanol

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

**** END OF REPORT ****