

Experiment Number: 064176

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Di(2-ethylhexyl) Phthalate

CAS Number: 117-81-7

Date Report Requested: 09/10/2018

Time Report Requested: 17:52:57

NTP Study Number:

064176

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	106 ± 1.8	83 ± 7.6	107 ± 9.1	95 ± 7.4	98 ± 6.9
100.0	103 ± 3.8	104 ± 10.0	116 ± 7.8	98 ± 10.0	139 ± 6.6
333.3	102 ± 1.7	97 ± 3.2	140 ± 7.6	99 ± 9.7	131 ± 10.1
1000.0	91 ± 3.5	92 ± 8.0	114 ± 8.7	102 ± 9.0	123 ± 10.7
3333.3	95 ± 5.3 ^p	85 ± 4.0 ^p	113 ± 11.5 ^p	100 ± 11.3 ^p	126 ± 6.8 ^p
10000.0	94 ± 9.3 ^p	86 ± 8.4 ^p	105 ± 3.1 ^p	104 ± 9.0 ^p	115 ± 5.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	329 ± 10.2	486 ± 21.5			
Positive Control ³			1188 ± 28.8	1492 ± 61.4	2003 ± 54.1

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	97 ± 7.4
100.0	98 ± 4.1
333.3	107 ± 1.0
1000.0	95 ± 4.4
3333.3	83 ± 7.0 ^P
10000.0	91 ± 4.8 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	2368 ± 57.7

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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	17 ± 0.9	18 ± 0.9	11 ± 1.3	7 ± 1.5	8 ± 3.3
100.0	9 ± 1.7	19 ± 2.9	12 ± 1.8	10 ± 2.2	11 ± 2.7
333.3	9 ± 1.9	19 ± 0.6	9 ± 3.2	6 ± 0.9	8 ± 0.3
1000.0	11 ± 3.7	16 ± 3.5	7 ± 0.6	6 ± 0.9	5 ± 0.3
3333.3	13 ± 3.0 ^P	22 ± 4.4 ^P	11 ± 2.3 ^P	4 ± 0.9 ^P	7 ± 0.6 ^P
10000.0	10 ± 1.8 ^P	21 ± 3.8 ^P	7 ± 0.3 ^P	8 ± 0.6 ^P	9 ± 3.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	356 ± 7.6	352 ± 17.7			
Positive Control ⁴			416 ± 22.6	325 ± 27.3	452 ± 23.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.8
100.0	8 ± 2.3
333.3	6 ± 0.7
1000.0	6 ± 1.2
3333.3	5 ± 0.3 ^p
10000.0	6 ± 1.0 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	501 ± 23.6

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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	7 ± 1.2	6 ± 1.5	6 ± 0.9	8 ± 1.2	6 ± 1.2
100.0	6 ± 1.5	7 ± 0.9	5 ± 1.9	5 ± 0.9	6 ± 1.2
333.3	4 ± 0.3	10 ± 3.4	8 ± 0.9	6 ± 1.7	8 ± 2.0
1000.0	3 ± 0.0	10 ± 1.2	6 ± 0.9	9 ± 1.2	6 ± 0.9
3333.3	2 ± 0.3 ^p	8 ± 0.6 ^p	6 ± 0.9 ^p	6 ± 1.2 ^p	8 ± 1.2 ^p
10000.0	5 ± 1.2 ^p	10 ± 2.7 ^p	5 ± 1.5 ^p	7 ± 0.6 ^p	4 ± 0.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			328 ± 27.8	494 ± 38.2	286 ± 58.0
Positive Control ⁵	125 ± 35.9	125 ± 28.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.6
100.0	7 ± 1.8
333.3	6 ± 1.5
1000.0	8 ± 2.7
3333.3	5 ± 0.6 ^P
10000.0	4 ± 0.7 ^P
Trial Summary	Negative
Positive Control ⁴	522 ± 52.2
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	33 ± 2.6	27 ± 0.7	37 ± 5.8	33 ± 2.7	28 ± 1.8
100.0	37 ± 11.7	20 ± 4.1	42 ± 2.0	34 ± 1.2	39 ± 1.7
333.3	24 ± 1.7	19 ± 2.8	29 ± 4.6	28 ± 1.7	44 ± 5.7
1000.0	23 ± 1.2	18 ± 1.3	30 ± 4.6	26 ± 5.8	33 ± 1.5
3333.3	24 ± 3.5 ^P	21 ± 2.9 ^P	31 ± 3.1 ^P	29 ± 4.7 ^P	35 ± 1.9 ^P
10000.0	25 ± 1.0 ^P	17 ± 6.7 ^P	38 ± 3.3 ^P	30 ± 1.0 ^P	36 ± 3.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			824 ± 46.2	1033 ± 57.8	1859 ± 77.8
Positive Control ⁶	437 ± 14.2	608 ± 50.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.5
100.0	42 ± 1.2
333.3	33 ± 6.0
1000.0	34 ± 2.7
3333.3	35 ± 3.0 ^P
10000.0	40 ± 7.0 ^P
Trial Summary	Negative
Positive Control ³	1889 ± 123.0
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: 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

p: Precipitate

**** END OF REPORT ****