

Experiment Number: 201557

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

G06: Ames Summary Data

Test Compound: **2-Ethylhexyl p-Methoxycinnamate**

CAS Number: **5466-77-3**

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

Time Report Requested: **08:47:48**

NTP Study Number:

201557

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	108 ± 4.6	138 ± 13.9	103 ± 4.2	117 ± 6.9	100 ± 2.9
100.0	111 ± 8.4	135 ± 19.2	148 ± 8.7	125 ± 4.8	120 ± 10.9
333.0	125 ± 1.2	114 ± 1.3	137 ± 4.5	128 ± 2.2	119 ± 9.3
1000.0	124 ± 8.8	114 ± 7.5	141 ± 8.7	123 ± 9.6	121 ± 11.0
3333.0	127 ± 9.1	122 ± 6.8	135 ± 4.6	118 ± 12.7	141 ± 5.8
10000.0	128 ± 9.5 ^p	131 ± 10.7 ^p	117 ± 8.4 ^p	122 ± 7.8 ^p	113 ± 7.8 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	343 ± 17.3	422 ± 16.6			
Positive Control ³			363 ± 25.6	552 ± 14.0	874 ± 38.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	138 ± 6.6
100.0	123 ± 9.6
333.0	105 ± 5.0
1000.0	112 ± 10.7
3333.0	111 ± 8.6
10000.0	118 ± 2.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1705 ± 35.5

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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	38 ± 7.6	34 ± 4.6	14 ± 1.9	11 ± 2.3	13 ± 2.6
100.0	37 ± 9.7	35 ± 2.3	11 ± 3.1	13 ± 0.7	10 ± 3.2
333.0	43 ± 6.1	35 ± 8.0	12 ± 2.8	9 ± 1.5	7 ± 0.3
1000.0	35 ± 4.4	35 ± 7.2	9 ± 2.7	8 ± 0.9	11 ± 1.3
3333.0	39 ± 3.8	42 ± 3.8	13 ± 1.9	7 ± 1.3	8 ± 2.9
10000.0	49 ± 9.3 ^p	34 ± 3.5 ^p	8 ± 1.5 ^p	9 ± 0.7 ^p	7 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	351 ± 29.4	641 ± 17.5			
Positive Control ⁴			209 ± 13.0	228 ± 5.7	307 ± 11.3

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 3.2
100.0	8 ± 0.6
333.0	7 ± 0.7
1000.0	10 ± 1.5
3333.0	5 ± 0.6
10000.0	10 ± 1.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	518 ± 37.7

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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	6 ± 1.2	5 ± 0.6	6 ± 0.3	8 ± 2.0	5 ± 0.9
100.0	7 ± 1.5	7 ± 0.9	7 ± 1.2	7 ± 2.9	4 ± 0.9
333.0	10 ± 2.7	6 ± 1.3	7 ± 1.0	6 ± 1.0	6 ± 0.9
1000.0	9 ± 2.1	7 ± 1.2	5 ± 0.6	9 ± 1.5	5 ± 1.5
3333.0	6 ± 1.8	6 ± 1.0	7 ± 0.6	10 ± 2.0	7 ± 1.9
10000.0	6 ± 0.9 ^p	6 ± 1.0 ^p	3 ± 1.9 ^p	6 ± 1.2 ^p	7 ± 1.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			138 ± 12.7	158 ± 3.8	367 ± 29.4
Positive Control ⁵	298 ± 120.8	124 ± 31.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.3
100.0	11 ± 2.7
333.0	6 ± 1.5
1000.0	9 ± 2.0
3333.0	8 ± 3.0
10000.0	10 ± 1.2 ^p
Trial Summary	Negative
Positive Control ⁴	346 ± 18.3
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	19 ± 2.7	21 ± 2.1	33 ± 3.5	24 ± 3.2	24 ± 4.1
100.0	23 ± 2.0	18 ± 3.5	26 ± 0.9	28 ± 1.7	31 ± 7.3
333.0	26 ± 1.0	20 ± 3.2	27 ± 3.7	31 ± 3.5	27 ± 0.0
1000.0	25 ± 3.5	21 ± 3.2	26 ± 3.5	26 ± 2.7	30 ± 5.5
3333.0	25 ± 3.5	27 ± 5.0	27 ± 0.0	31 ± 0.9	25 ± 3.7
10000.0	40 ± 7.8 ^p	34 ± 3.1 ^p	27 ± 1.5 ^p	24 ± 2.3 ^p	23 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			342 ± 10.4	394 ± 30.8	754 ± 48.9
Positive Control ⁶	496 ± 50.1	856 ± 51.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 7.2
100.0	34 ± 1.5
333.0	28 ± 5.2
1000.0	30 ± 4.6
3333.0	25 ± 4.3
10000.0	24 ± 1.2 ^P
Trial Summary	Negative
Positive Control ³	1517 ± 21.9
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 ****