

Experiment Number: A21226

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

G06: Ames Summary Data

Test Compound: **Octachloronaphthalene**

CAS Number: 2234-13-1

Date Report Requested: **09/16/2018**

Time Report Requested: **09:58:24**

NTP Study Number:

A21226

Study Result:

Negative

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Test Compound: Octachloronaphthalene
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Date Report Requested: 09/16/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	142 ± 3.2	105 ± 5.2	126 ± 10.9	144 ± 11.6	120 ± 9.0
100.0	147 ± 1.7	97 ± 3.3	123 ± 10.9	141 ± 8.2	105 ± 4.7
333.0	142 ± 4.3	98 ± 3.2	122 ± 1.5	138 ± 5.2	113 ± 9.5
1000.0	152 ± 11.2	117 ± 2.6	133 ± 11.9	134 ± 9.9	119 ± 7.8
3333.0	149 ± 2.0 ^p	116 ± 8.0 ^p	120 ± 3.6 ^p	162 ± 3.2 ^p	120 ± 4.9 ^p
10000.0	143 ± 7.8 ^p	120 ± 1.9 ^p	115 ± 4.3 ^p	149 ± 6.9 ^p	128 ± 6.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					665 ± 26.8
Positive Control ³			558 ± 9.3		
Positive Control ⁴	898 ± 19.0	887 ± 21.6			
Positive Control ⁵				605 ± 24.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	157 ± 13.5
100.0	162 ± 7.0
333.0	150 ± 6.2
1000.0	145 ± 5.7
3333.0	151 ± 4.4 ^P
10000.0	157 ± 10.8 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1202 ± 70.6
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.5	7 ± 0.7	11 ± 2.2	21 ± 2.0	11 ± 1.9
100.0	17 ± 1.5	9 ± 0.7	11 ± 0.6	18 ± 0.3	9 ± 0.7
333.0	15 ± 0.6	12 ± 2.0	9 ± 1.2	19 ± 3.2	7 ± 0.6
1000.0	16 ± 2.4	9 ± 1.2	8 ± 1.3	17 ± 2.3	9 ± 0.9
3333.0	17 ± 2.3 ^p	10 ± 1.8 ^p	11 ± 2.3 ^p	21 ± 1.5 ^p	8 ± 2.3 ^p
10000.0	16 ± 2.9 ^p	15 ± 0.9 ^p	12 ± 1.2 ^p	23 ± 2.7 ^p	12 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					147 ± 13.1
Positive Control ⁶		913 ± 17.2			
Positive Control ⁴	1008 ± 48.5				
Positive Control ⁵			100 ± 8.4		
Positive Control ⁷				345 ± 15.8	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 2.3
100.0	18 ± 0.3
333.0	15 ± 0.3
1000.0	19 ± 3.5
3333.0	15 ± 2.0 ^p
10000.0	17 ± 2.0 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁶	
Positive Control ⁴	
Positive Control ⁵	422 ± 16.6
Positive Control ⁷	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	158 ± 5.2	160 ± 7.9	168 ± 15.2	188 ± 3.0	168 ± 7.7
100.0	170 ± 3.2	177 ± 1.0	176 ± 18.8	194 ± 7.2	184 ± 0.7
333.0	158 ± 3.8	154 ± 3.5	160 ± 13.7	202 ± 6.1	168 ± 13.2
1000.0	164 ± 12.3	170 ± 11.1	163 ± 11.0	189 ± 16.7	166 ± 6.2
3333.0	154 ± 11.5 ^p	152 ± 12.6 ^p	161 ± 18.2 ^p	166 ± 4.7 ^p	170 ± 20.2 ^p
10000.0	153 ± 20.8 ^p	159 ± 4.2 ^p	168 ± 6.8 ^p	180 ± 3.5 ^p	140 ± 4.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					620 ± 12.4
Positive Control ³			478 ± 27.2		
Positive Control ⁵				502 ± 26.3	
Positive Control ⁸	489 ± 26.4	496 ± 47.8			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	177 ± 9.5
100.0	186 ± 7.0
333.0	187 ± 1.7
1000.0	165 ± 18.3
3333.0	170 ± 3.5 ^P
10000.0	176 ± 10.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	834 ± 36.7
Positive Control ⁵	
Positive Control ⁸	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.6	24 ± 3.1	19 ± 1.5	39 ± 5.1	26 ± 3.2
100.0	28 ± 1.5	15 ± 2.2	21 ± 3.2	34 ± 7.1	32 ± 2.9
333.0	29 ± 5.0	19 ± 1.2	25 ± 0.6	44 ± 2.9	26 ± 1.7
1000.0	30 ± 4.7	21 ± 1.8	25 ± 2.4	45 ± 0.9	26 ± 4.1
3333.0	26 ± 7.2 ^P	25 ± 1.7 ^P	24 ± 5.5 ^P	40 ± 6.4 ^P	27 ± 2.3 ^P
10000.0	21 ± 6.3 ^P	20 ± 1.8 ^P	24 ± 3.8 ^P	37 ± 6.9 ^P	22 ± 3.5 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					570 ± 65.3
Positive Control ³			413 ± 16.7		
Positive Control ⁹	320 ± 6.1	254 ± 8.5			
Positive Control ⁵				552 ± 60.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	42 ± 3.8
100.0	49 ± 8.3
333.0	46 ± 5.5
1000.0	42 ± 2.0
3333.0	37 ± 1.3 ^p
10000.0	43 ± 4.4 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	912 ± 35.2
Positive Control ⁹	
Positive Control ⁵	

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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 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate N-Methyl-N-Nitro-N-Nitrosoguanidine

7: 10.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****