

Experiment Number: 756991

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

G06: Ames Summary Data

Test Compound: **2,3,4,5-Tetrachloronitrobenzene**

CAS Number: **879-39-0**

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

Time Report Requested: **15:12:21**

NTP Study Number:

756991

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	97 ± 7.9	139 ± 17.4	135 ± 5.8	191 ± 26.4	134 ± 10.7
0.03		154 ± 6.2		210 ± 18.5	
0.1		161 ± 12.5		151 ± 17.7	
0.33	99 ± 1.9	161 ± 10.7	126 ± 2.9	165 ± 7.2	141 ± 6.7
1.0	99 ± 3.2	159 ± 10.8	127 ± 10.0	171 ± 5.8	159 ± 3.0
3.3	91 ± 5.0	152 ± 14.1	135 ± 4.3	176 ± 7.6	156 ± 8.1
10.0	94 ± 13.5		149 ± 2.0		190 ± 10.8
33.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			841 ± 135.1	479 ± 95.7	928 ± 32.8
Positive Control ³	588 ± 35.0	503 ± 53.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	153 ± 5.9
0.03	164 ± 6.2
0.1	176 ± 3.6
0.33	164 ± 6.6
1.0	177 ± 7.3
3.3	189 ± 12.4
10.0	
33.0	
Trial Summary	Negative
Positive Control ²	908 ± 116.4
Positive Control ³	

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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	8 ± 1.2	9 ± 0.3	12 ± 1.2	10 ± 1.0	11 ± 0.7
0.03		10 ± 0.6		8 ± 1.0	
0.1		12 ± 1.2		8 ± 0.6	
0.33	7 ± 1.7	9 ± 0.7	7 ± 1.2	8 ± 0.9	11 ± 1.7
1.0	8 ± 1.5	9 ± 0.6	10 ± 2.0	9 ± 0.7	10 ± 1.5
3.3	9 ± 3.5	11 ± 1.3	8 ± 0.7	14 ± 6.0	11 ± 1.9
10.0	Toxic		10 ± 2.3		11 ± 1.8
33.0	0 ± 0.0		8 ± 1.5		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			89 ± 15.2	77 ± 14.0	168 ± 11.2
Positive Control ³	569 ± 34.9	611 ± 65.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.7
0.03	16 ± 1.5
0.1	15 ± 1.2
0.33	16 ± 3.3
1.0	16 ± 2.0
3.3	18 ± 3.2
10.0	
33.0	
Trial Summary	Negative
Positive Control ²	120 ± 18.4
Positive Control ³	

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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 ± 0.9	3 ± 0.7	5 ± 0.7	5 ± 0.3	6 ± 0.6
0.03		3 ± 0.0		5 ± 0.7	
0.1		2 ± 0.9		4 ± 1.0	
0.33	4 ± 0.9	3 ± 0.3	7 ± 1.5	6 ± 0.7	6 ± 0.3
1.0	4 ± 0.6	2 ± 0.3	5 ± 0.9	5 ± 0.6	6 ± 0.7
3.3	5 ± 0.3	3 ± 0.7	6 ± 0.6	5 ± 0.9	3 ± 1.0
10.0	Toxic		5 ± 1.8		8 ± 1.2
33.0	Toxic		8 ± 2.1		10 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			26 ± 3.2	73 ± 6.2	30 ± 2.5
Positive Control ⁴	115 ± 24.6	72 ± 2.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
0.03	7 ± 1.0
0.1	6 ± 1.3
0.33	7 ± 0.7
1.0	7 ± 0.6
3.3	5 ± 0.9
10.0	
33.0	
Trial Summary	Negative
Positive Control ²	76 ± 6.4
Positive Control ⁴	

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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	15 ± 2.2	12 ± 1.8	20 ± 1.2	15 ± 0.9	21 ± 1.2
0.03		13 ± 2.5		16 ± 2.0	
0.1		14 ± 3.3		21 ± 2.2	
0.33	11 ± 0.9	11 ± 2.3	19 ± 1.5	16 ± 0.7	18 ± 2.6
1.0	11 ± 1.2	15 ± 3.0	21 ± 3.4	17 ± 1.9	22 ± 1.9
3.3	11 ± 2.2	15 ± 3.2	26 ± 3.0	19 ± 0.7	23 ± 2.3
10.0	10 ± 0.7		20 ± 1.2		24 ± 5.8
33.0	Toxic		20 ± 3.7		41 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			635 ± 11.3	760 ± 26.1	857 ± 30.1
Positive Control ⁵	387 ± 17.9	367 ± 34.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 2.0
0.03	21 ± 1.9
0.1	24 ± 2.9
0.33	16 ± 4.1
1.0	22 ± 2.6
3.3	17 ± 1.7
10.0	
33.0	
Trial Summary	Negative
Positive Control ²	1097 ± 103.1
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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****