

Experiment Number: 719070

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: a,a,a,3,4-Pentachlorotoluene

CAS Number: 13014-24-9

Date Report Requested: 09/12/2018

Time Report Requested: 00:44:41

**NTP Study Number:**

719070

**Study Result:**

Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	119 ± 3.2	159 ± 9.7	167 ± 10.4	127 ± 6.6	150 ± 7.1
0.3	129 ± 9.5				
1.0	144 ± 7.8				
3.0	119 ± 8.0				
6.0	116 ± 12.3				
10.0	56 ± 9.0 <sup>s</sup>				
33.0		152 ± 3.2	160 ± 9.4	144 ± 16.2	155 ± 8.1
100.0		206 ± 8.7	195 ± 3.8	221 ± 3.2	209 ± 6.4
333.0		362 ± 76.9	501 ± 17.4	474 ± 21.3	681 ± 92.5
666.0			845 ± 45.8		1102 ± 85.2
1000.0		849 ± 52.8	1146 ± 125.8	931 ± 33.4	1306 ± 98.1
3333.0		770 ± 204.8 <sup>s</sup>		651 ± 281.6	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	344 ± 8.0				
Positive Control <sup>3</sup>		556 ± 19.2	562 ± 16.0	473 ± 33.1	525 ± 18.7

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 1.3	32 ± 8.7	28 ± 1.8	25 ± 3.5	24 ± 1.5
0.3	20 ± 2.9				
1.0	18 ± 3.0				
3.0	17 ± 1.7				
6.0	14 ± 1.9				
10.0	13 ± 1.0 <sup>s</sup>				
33.0		25 ± 2.5		24 ± 1.7	
100.0		32 ± 2.5	36 ± 2.5	33 ± 4.7	30 ± 0.3
333.0		63 ± 1.5	44 ± 4.6	63 ± 2.8	53 ± 2.4
666.0			129 ± 15.5		133 ± 11.5
1000.0		160 ± 21.2	140 ± 18.3	234 ± 13.1	169 ± 19.7
3333.0		335 ± 12.3	280 ± 41.3	334 ± 34.7	322 ± 32.4
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>4</sup>		178 ± 15.6	148 ± 10.5		
Positive Control <sup>5</sup>	636 ± 5.0				
Positive Control <sup>3</sup>				370 ± 7.5	377 ± 46.2

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### LEGEND

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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: 2.5 ug/Plate 2-Aminoanthracene
  - 4: 1.0 ug/Plate 2-Aminoanthracene
  - 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**\*\* END OF REPORT \*\***