

Experiment Number: 596505

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

**G06: Ames Summary Data**

Test Compound: **Pentachloroanisole**

CAS Number: 1825-21-4

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

Time Report Requested: **18:36:57**

**NTP Study Number:**

596505

**Study Result:**

Positive

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	109 ± 4.4	111 ± 5.8	136 ± 6.9
10.0		141 ± 4.5	126 ± 0.6
33.0		143 ± 2.6	131 ± 8.4
100.0	84 ± 5.7	117 ± 14.7	114 ± 11.1
333.0	97 ± 0.7	79 ± 1.2	83 ± 5.5
1000.0	94 ± 4.1 <sup>p</sup>	69 ± 11.6 <sup>p</sup>	22 ± 5.5 <sup>p</sup>
3333.0	84 ± 5.3 <sup>p</sup>		
10000.0	89 ± 3.5 <sup>p</sup>		
Trial Summary	Negative	Equivocal	Negative
Positive Control <sup>2</sup>		761 ± 81.5	2130 ± 37.6
Positive Control <sup>3</sup>	219 ± 21.8		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 2.6	6 ± 0.6	7 ± 1.3
10.0		6 ± 0.6	7 ± 0.6
33.0		9 ± 0.9	7 ± 1.5
100.0	10 ± 1.2	7 ± 1.2	8 ± 0.6
333.0	10 ± 1.5	4 ± 0.9	8 ± 0.9
1000.0	7 ± 2.0 <sup>p</sup>	5 ± 0.6 <sup>p</sup>	3 ± 0.6 <sup>p</sup>
3333.0	7 ± 1.5 <sup>p</sup>		
10000.0	9 ± 2.1 <sup>p</sup>		
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	129 ± 5.6		
Positive Control <sup>4</sup>		187 ± 12.4	464 ± 43.3

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**Strain: TA1537**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 0.6	4 ± 1.2	7 ± 1.9	8 ± 1.5
10.0			6 ± 1.2	8 ± 0.6
33.0			6 ± 2.0	3 ± 1.3
100.0	6 ± 2.0		3 ± 0.3	5 ± 1.5
333.0	6 ± 1.5	5 ± 1.2	1 ± 0.3	2 ± 0.3
1000.0	7 ± 2.3 <sup>p</sup>	5 ± 1.5 <sup>p</sup>	1 ± 0.0 <sup>p</sup>	1 ± 0.0 <sup>p</sup>
3333.0	15 ± 0.3 <sup>p</sup>	12 ± 1.2 <sup>p</sup>		
6666.0		19 ± 1.2 <sup>p</sup>		
10000.0	24 ± 1.9 <sup>p</sup>	34 ± 3.2 <sup>p</sup>		
Trial Summary	Positive	Positive	Negative	Negative
Positive Control <sup>4</sup>			236 ± 7.1	265 ± 4.6
Positive Control <sup>5</sup>	124 ± 15.8	254 ± 7.0		

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**Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 1.2	12 ± 2.3	20 ± 0.3	23 ± 3.2
10.0			18 ± 1.2	18 ± 1.9
33.0			22 ± 1.8	15 ± 2.0
100.0	11 ± 2.8		19 ± 1.9	12 ± 1.2
333.0	11 ± 1.5	11 ± 3.0	16 ± 0.7	9 ± 1.0
1000.0	9 ± 0.7 <sup>P</sup>	15 ± 1.7 <sup>P</sup>	19 ± 0.6 <sup>P</sup>	4 ± 0.9 <sup>P</sup>
3333.0	23 ± 5.2 <sup>P</sup>	20 ± 2.7 <sup>P</sup>		
6666.0		33 ± 5.5 <sup>P</sup>		
10000.0	39 ± 7.1 <sup>P</sup>	45 ± 4.1 <sup>P</sup>		
Trial Summary	Positive	Positive	Negative	Negative
Positive Control <sup>2</sup>			364 ± 43.6	1731 ± 43.6
Positive Control <sup>6</sup>	510 ± 12.1	397 ± 21.4		

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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 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 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 \*\***