

Experiment Number: 260964

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: p-Chloroaniline

CAS Number: 106-47-8

Date Report Requested: 09/11/2018

Time Report Requested: 02:54:59

**NTP Study Number:**

260964

**Study Result:**

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	131 ± 8.3	172 ± 5.3	169 ± 9.5
33.0	128 ± 9.5	164 ± 2.2	158 ± 10.1
100.0	124 ± 12.5	161 ± 12.0	151 ± 6.1
333.0	113 ± 11.9	163 ± 10.8	148 ± 5.2
1000.0	120 ± 3.5	173 ± 7.6	170 ± 9.8
1666.0	Toxic	155 ± 3.7	160 ± 6.4
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		1053 ± 75.0	2285 ± 42.7
Positive Control <sup>3</sup>	510 ± 11.1		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	23 ± 1.8	8 ± 0.6	5 ± 0.9
33.0	18 ± 2.9	10 ± 0.6	11 ± 1.5
100.0	16 ± 0.9	8 ± 1.5	9 ± 1.5
333.0	22 ± 1.3	10 ± 1.2	8 ± 1.3
1000.0	22 ± 2.6	10 ± 2.1	11 ± 3.1
1666.0	0 ± 0.0 <sup>5</sup>	9 ± 2.3	11 ± 1.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	451 ± 26.8		
Positive Control <sup>4</sup>		232 ± 9.2	600 ± 17.8

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	166 ± 7.7	193 ± 5.1	178 ± 10.7
33.0	173 ± 10.7	207 ± 3.1	171 ± 17.2
100.0	170 ± 4.7	190 ± 12.2	186 ± 12.7
333.0	162 ± 6.0	205 ± 2.9	206 ± 10.3
1000.0	126 ± 6.4	203 ± 3.7	202 ± 28.4
1666.0	Toxic	95 ± 5.0 <sup>s</sup>	185 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		1235 ± 24.1	1466 ± 12.8
Positive Control <sup>5</sup>	1615 ± 55.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 1.5	28 ± 1.7	27 ± 2.6	24 ± 2.1	36 ± 1.5
33.0	23 ± 1.7	30 ± 2.3	31 ± 3.8	36 ± 4.0	39 ± 1.8
100.0	23 ± 0.9	41 ± 5.2	35 ± 4.3	38 ± 7.2	34 ± 3.2
333.0	22 ± 3.8	56 ± 8.4	49 ± 5.1	53 ± 6.7	44 ± 3.1
666.0			65 ± 5.5		76 ± 3.2
1000.0	24 ± 1.7	80 ± 2.4	88 ± 6.9	93 ± 1.9	69 ± 2.9
1666.0	Toxic	55 ± 8.1		83 ± 7.0	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		690 ± 49.7	248 ± 20.6	1660 ± 60.2	829 ± 83.6
Positive Control <sup>6</sup>	1626 ± 93.3				

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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
- s: Slight Toxicity

\*\* END OF REPORT \*\*