

Experiment Number: 727021

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Amino-4-chloro-5-nitrophenol

CAS Number: 6358-07-2

Date Report Requested: 09/12/2018

Time Report Requested: 19:34:22

**NTP Study Number:**

727021

**Study Result:**

Positive

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## Strain: TA100

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>	107 ± 8.3	116 ± 11.7	97 ± 8.3	113 ± 9.0	116 ± 0.7
10.0			145 ± 6.8		167 ± 11.0
33.0	128 ± 15.7	194 ± 16.7	147 ± 6.7	213 ± 10.1	211 ± 5.2
100.0	108 ± 8.9	203 ± 11.6	173 ± 5.8	285 ± 13.5	320 ± 6.2
333.0	139 ± 5.8	224 ± 20.2	186 ± 15.7	361 ± 10.7	378 ± 5.9
1000.0	107 ± 6.6	172 ± 21.1	181 ± 10.8	342 ± 24.0	284 ± 7.8
1666.0	115 ± 13.8	166 ± 10.1		213 ± 42.1	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		595 ± 37.7	601 ± 19.4	1258 ± 67.3	1287 ± 57.8
Positive Control <sup>3</sup>	400 ± 3.2				

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**Strain: TA1535**

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<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>	7 ± 0.3	8 ± 2.3	6 ± 0.6
33.0	8 ± 2.4	12 ± 5.8	9 ± 2.8
100.0	7 ± 1.5	14 ± 1.7	10 ± 2.2
333.0	9 ± 3.8	7 ± 1.5	11 ± 2.3
1000.0	4 ± 0.3	8 ± 3.2	7 ± 0.9
1666.0	6 ± 1.3	5 ± 1.5	5 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	361 ± 8.8		
Positive Control <sup>4</sup>		240 ± 24.7	530 ± 71.5

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	137 ± 10.2	122 ± 6.6	187 ± 5.9	170 ± 3.5	172 ± 2.7
10.0		148 ± 7.1		212 ± 4.3	
33.0	185 ± 7.2	179 ± 9.6	297 ± 6.2	261 ± 7.6	285 ± 11.8
100.0	302 ± 7.9	311 ± 12.5	348 ± 9.1	349 ± 7.1	405 ± 19.5
333.0	598 ± 20.4	655 ± 18.2	395 ± 25.5	379 ± 13.0	505 ± 37.4
1000.0	930 ± 126.6	977 ± 10.4	388 ± 44.5	504 ± 43.0	513 ± 129.5
1666.0	572 ± 79.6		240 ± 23.8		333 ± 113.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>4</sup>			579 ± 18.3	984 ± 22.0	1030 ± 21.5
Positive Control <sup>5</sup>	839 ± 219.2	1106 ± 141.6			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	142 ± 3.2
10.0	208 ± 1.8
33.0	281 ± 5.6
100.0	382 ± 15.0
333.0	555 ± 24.9
1000.0	729 ± 21.7
1666.0	
Trial Summary	Positive
Positive Control <sup>4</sup>	1098 ± 30.3
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	13 ± 2.3	20 ± 1.9	23 ± 3.5	29 ± 1.5	18 ± 2.4
10.0		43 ± 1.2		35 ± 2.0	
33.0	72 ± 2.7	95 ± 4.8	41 ± 3.5	50 ± 4.0	51 ± 7.4
100.0	222 ± 7.0	247 ± 8.1	67 ± 4.0	92 ± 3.0	91 ± 1.2
333.0	521 ± 33.6	655 ± 35.2	172 ± 4.6	195 ± 20.5	228 ± 28.6
1000.0	705 ± 63.9	826 ± 97.1	304 ± 8.8	318 ± 57.7	462 ± 46.8
1666.0	566 ± 21.9		147 ± 4.8		268 ± 65.5
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			324 ± 17.8	344 ± 6.1	1140 ± 67.8
Positive Control <sup>6</sup>	596 ± 8.5	781 ± 39.1			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 1.7
10.0	39 ± 1.8
33.0	58 ± 6.9
100.0	126 ± 10.7
333.0	337 ± 17.4
1000.0	646 ± 77.0
1666.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	838 ± 7.6
Positive Control <sup>6</sup>	

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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

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