

Experiment Number: **646474**

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-chlorophenol**

CAS Number: **95-85-2**

Date Report Requested: **09/11/2018**

Time Report Requested: **05:06:12**

NTP Study Number:

646474

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	75 ± 5.7	73 ± 1.2	73 ± 4.7
10.0	71 ± 5.7	80 ± 10.7	72 ± 4.1
33.0	77 ± 4.5	73 ± 0.6	76 ± 6.7
100.0	71 ± 2.1	87 ± 5.0	80 ± 4.5
333.0	77 ± 7.8	98 ± 1.8	100 ± 3.0
1000.0	2 ± 0.6 ^s	96 ± 1.3	111 ± 4.7
Trial Summary	Negative	Negative	Negative
Positive Control ²			399 ± 33.7
Positive Control ³	328 ± 22.0		
Positive Control ⁴		331 ± 19.2	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	15 ± 1.5	10 ± 3.1	13 ± 1.8	9 ± 1.2	6 ± 0.9
10.0	20 ± 2.6			7 ± 0.6	9 ± 1.7
33.0	11 ± 1.8			8 ± 2.3	8 ± 1.9
100.0	17 ± 3.1	14 ± 3.7	12 ± 1.5	10 ± 3.2	10 ± 0.3
333.0	19 ± 2.0	19 ± 4.0	19 ± 3.9	15 ± 1.2	9 ± 1.5
667.0		27 ± 2.7	16 ± 2.5		
1000.0	12 ± 3.2	30 ± 4.7	20 ± 2.3	18 ± 4.0	19 ± 2.1
1500.0		12 ± 3.4 ^s	19 ± 2.1 ^s		
Trial Summary	Negative	Positive	Negative	Negative	Equivocal
Positive Control ²					
Positive Control ³	203 ± 5.2				
Positive Control ⁵					
Positive Control ⁶		184 ± 14.5	199 ± 12.1	158 ± 6.1	151 ± 6.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.0	7 ± 1.5	9 ± 1.5	9 ± 1.9	8 ± 1.0
10.0			7 ± 1.8		6 ± 2.6
33.0			9 ± 2.4		10 ± 2.6
100.0	7 ± 1.2	11 ± 0.3	8 ± 2.3	18 ± 2.3	13 ± 2.2
333.0	16 ± 1.2	17 ± 1.2	12 ± 0.0	22 ± 4.5	16 ± 3.6
667.0	13 ± 0.9	15 ± 1.3		23 ± 2.7	
1000.0	17 ± 2.6	17 ± 1.7	10 ± 1.7	17 ± 2.7	30 ± 6.4
1500.0	18 ± 4.6 ^s	18 ± 2.3		2 ± 1.2 ^s	
Trial Summary	Equivocal	Equivocal	Negative	Weakly Positive	Positive
Positive Control ²				89 ± 4.7	61 ± 7.0
Positive Control ³					
Positive Control ⁵					
Positive Control ⁶	213 ± 35.4	195 ± 3.6	89 ± 0.9		

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.7	10 ± 2.3	5 ± 2.0
10.0	7 ± 2.0		10 ± 2.0
33.0	7 ± 1.9		8 ± 2.3
100.0	10 ± 1.0	13 ± 1.2	9 ± 0.6
333.0	12 ± 3.2	19 ± 3.5	11 ± 1.7
667.0		19 ± 2.3	
1000.0	22 ± 3.4	21 ± 3.4	12 ± 3.0
1500.0		18 ± 6.4 ^s	
Trial Summary	Equivocal	Weakly Positive	Negative
Positive Control ²	68 ± 1.7	78 ± 12.6	
Positive Control ³			
Positive Control ⁵			65 ± 2.3
Positive Control ⁶			

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	52 ± 7.1	86 ± 6.2	133 ± 13.0	149 ± 20.4	189 ± 6.9
10.0	82 ± 4.4	90 ± 2.9	108 ± 6.1	151 ± 5.8	155 ± 8.4
33.0	62 ± 11.6	88 ± 1.2	136 ± 3.0	145 ± 5.5	152 ± 16.7
100.0	70 ± 0.9	100 ± 9.4	113 ± 9.7	137 ± 9.2	141 ± 5.5
333.0	93 ± 3.6	109 ± 13.7	116 ± 4.5	156 ± 15.1	152 ± 7.5
1000.0	1 ± 0.3 ^s	14 ± 1.3 ^s	151 ± 9.4	154 ± 10.9	163 ± 12.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					
Positive Control ⁶			868 ± 36.3	582 ± 42.8	
Positive Control ⁷					356 ± 21.0
Positive Control ⁸	203 ± 11.4	439 ± 84.0			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	108 ± 8.7	165 ± 4.9	177 ± 10.7
10.0	109 ± 1.5	145 ± 14.3	174 ± 0.6
33.0	131 ± 6.7	157 ± 11.9	186 ± 8.8
100.0	143 ± 1.2	121 ± 10.0	171 ± 13.3
333.0	150 ± 6.4	159 ± 9.3	165 ± 4.9
1000.0	162 ± 1.5	149 ± 8.7	176 ± 6.1
Trial Summary	Equivocal	Negative	Negative
Positive Control ⁴	547 ± 7.7	602 ± 21.0	
Positive Control ⁶			
Positive Control ⁷			896 ± 36.6
Positive Control ⁸			

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Test Compound: 2-Amino-4-chlorophenol

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.9	20 ± 3.3	24 ± 1.2
10.0	16 ± 3.0	26 ± 1.5	27 ± 2.3
33.0	19 ± 1.5	24 ± 6.6	25 ± 2.7
100.0	13 ± 0.7	25 ± 2.7	29 ± 2.2
333.0	19 ± 1.8	27 ± 3.2	28 ± 2.7
1000.0	8 ± 3.5	29 ± 4.3	30 ± 2.1
Trial Summary	Negative	Negative	Negative
Positive Control ⁹			96 ± 5.8
Positive Control ²		137 ± 13.7	
Positive Control ¹⁰	114 ± 7.2		

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 3.5 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****