

Experiment Number: **A90365**

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

G06: Ames Summary Data

Test Compound: **p-Anisaldehyde**

CAS Number: **123-11-5**

Date Report Requested: **09/15/2018**

Time Report Requested: **11:41:37**

NTP Study Number:

A90365

Study Result:

Negative

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Test Compound: p-Anisaldehyde

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Date Report Requested: 09/15/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	112 ± 10.3	202 ± 16.3	184 ± 4.9	109 ± 6.6	195 ± 10.5
33.0	115 ± 2.5	211 ± 9.7	191 ± 10.2	121 ± 8.0	213 ± 8.3
100.0	109 ± 2.4	179 ± 3.5	195 ± 3.7	77 ± 2.1	181 ± 11.8
333.0	106 ± 8.1	186 ± 11.0	219 ± 11.1	82 ± 3.8	183 ± 8.1
1000.0	111 ± 4.2	171 ± 9.2	187 ± 2.9	84 ± 1.5	173 ± 7.4
1500.0	92 ± 3.1			72 ± 2.3	
3333.0		Toxic	Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1890 ± 130.7
Positive Control ³	279 ± 6.1	920 ± 7.9			
Positive Control ⁴			944 ± 7.1		
Positive Control ⁵					
Positive Control ⁶				381 ± 39.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	89 ± 3.3
33.0	88 ± 7.9
100.0	80 ± 2.5
333.0	79 ± 3.2
1000.0	95 ± 8.6
1500.0	94 ± 3.8
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	690 ± 32.8
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.0	11 ± 1.3	13 ± 1.7	16 ± 1.5	9 ± 2.0
33.0	16 ± 1.5	12 ± 2.3	12 ± 2.2	15 ± 3.8	8 ± 0.9
100.0	16 ± 3.8	10 ± 0.6	13 ± 2.1	10 ± 1.2	9 ± 2.1
333.0	25 ± 1.7	12 ± 3.2	14 ± 1.5	11 ± 1.5	12 ± 1.5
1000.0	15 ± 0.3	13 ± 0.6	18 ± 1.8	13 ± 1.9	15 ± 2.5
2000.0	20 ± 1.7			16 ± 1.5	
3333.0		Toxic	Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					145 ± 7.4
Positive Control ³	240 ± 11.6	142 ± 11.8			
Positive Control ⁵					
Positive Control ⁶			219 ± 9.0	94 ± 5.3	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.7
33.0	10 ± 1.9
100.0	10 ± 1.5
333.0	14 ± 3.5
1000.0	12 ± 2.7
2000.0	12 ± 4.8
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	197 ± 15.1
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	154 ± 5.3	114 ± 2.8	127 ± 4.0	163 ± 7.4	116 ± 9.3
33.0	147 ± 7.8	110 ± 12.7	143 ± 8.3	196 ± 9.9	121 ± 10.9
100.0	152 ± 5.2	113 ± 1.9	137 ± 1.9	196 ± 12.7	113 ± 6.2
200.0					
333.0	163 ± 15.1	113 ± 1.2	110 ± 20.5	194 ± 11.6	154 ± 2.6
500.0					
1000.0	131 ± 3.8	123 ± 4.2	133 ± 4.4	174 ± 9.2	98 ± 3.8
2000.0	141 ± 8.7			155 ± 10.1	
3333.0		Toxic	49 ± 48.5 ^s		87 ± 17.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁴					1832 ± 86.3
Positive Control ⁶			2281 ± 125.5	567 ± 27.9	
Positive Control ⁷	501 ± 14.6	2228 ± 36.7			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	132 ± 7.6	200 ± 4.6
33.0		168 ± 2.1
100.0	127 ± 1.5	259 ± 14.3
200.0	140 ± 11.5	
333.0	120 ± 9.0	195 ± 32.4
500.0	111 ± 3.6	
1000.0	96 ± 6.1	167 ± 11.0
2000.0		169 ± 6.1
3333.0		
Trial Summary	Negative	Negative
Positive Control ⁴	1115 ± 70.2	
Positive Control ⁶		1719 ± 66.4
Positive Control ⁷		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 0.9	12 ± 0.7	10 ± 1.5	17 ± 4.3	17 ± 4.0
33.0	13 ± 1.3	8 ± 1.5	9 ± 2.7	18 ± 1.5	16 ± 1.2
100.0	17 ± 2.9	8 ± 1.0	13 ± 0.9	17 ± 1.0	18 ± 1.8
333.0	14 ± 0.9	12 ± 0.7	14 ± 2.0	19 ± 1.5	15 ± 1.2
1000.0	17 ± 2.2	9 ± 1.7	11 ± 2.9	17 ± 1.9	20 ± 3.5
1500.0	14 ± 0.9			14 ± 2.3	
3333.0		0 ± 0.0 ^s	1 ± 0.5 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			507 ± 34.6		2094 ± 38.9
Positive Control ⁵				382 ± 96.3	
Positive Control ⁸	97 ± 8.4	164 ± 5.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 0.9
33.0	17 ± 1.2
100.0	17 ± 3.5
333.0	14 ± 0.9
1000.0	17 ± 0.7
1500.0	17 ± 2.9
3333.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁵	687 ± 62.4
Positive Control ⁸	

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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: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****