

Experiment Number: A30420

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

**G06: Ames Summary Data**

Test Compound: 3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 09/16/2018

Time Report Requested: 15:18:59

**NTP Study Number:**

A30420

**Study Result:**

Negative

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Test Compound: 3,3',4,4'-Tetrachloroazobenzene

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	54 ± 0.3	15 ± 2.8	48 ± 5.7	36 ± 4.0	18 ± 2.4
100.0	62 ± 1.0	18 ± 1.3	41 ± 2.0	30 ± 4.5	20 ± 2.6
500.0	57 ± 5.5	29 ± 3.6	36 ± 1.8	48 ± 5.5	26 ± 1.5
1000.0	65 ± 6.0 <sup>p</sup>	15 ± 2.2 <sup>p</sup>	66 ± 3.2	46 ± 5.1	27 ± 3.7
5000.0	58 ± 4.8 <sup>p</sup>	15 ± 1.2 <sup>p</sup>	61 ± 3.1	39 ± 1.5 <sup>p</sup>	18 ± 3.5 <sup>p</sup>
10000.0	69 ± 0.3 <sup>p</sup>	14 ± 0.9 <sup>p</sup>	38 ± 3.9	62 ± 5.5 <sup>p</sup>	18 ± 1.2 <sup>p</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	553 ± 13.8	653 ± 31.7	609 ± 28.8		
Positive Control <sup>3</sup>				609 ± 29.4	738 ± 30.5

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	80 ± 4.2
100.0	81 ± 4.9
500.0	97 ± 9.8
1000.0	84 ± 5.0
5000.0	77 ± 0.6
10000.0	72 ± 5.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	768 ± 36.1

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**Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	19 ± 0.9	18 ± 1.7	29 ± 2.3	16 ± 1.9
100.0	30 ± 3.2	16 ± 2.0	31 ± 1.8	29 ± 3.8
500.0	32 ± 4.2 <sup>P</sup>	20 ± 3.4 <sup>P</sup>	25 ± 1.7	30 ± 3.4
1000.0	33 ± 3.4 <sup>P</sup>	16 ± 6.7 <sup>P</sup>	26 ± 1.8	26 ± 1.2
5000.0	23 ± 5.5 <sup>P</sup>	20 ± 1.5 <sup>P</sup>	27 ± 1.0 <sup>P</sup>	28 ± 2.6
10000.0	23 ± 3.5 <sup>P</sup>	9 ± 1.9 <sup>P</sup>	37 ± 3.8 <sup>P</sup>	24 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			752 ± 58.3	372 ± 38.1
Positive Control <sup>4</sup>	417 ± 14.8	418 ± 31.0		

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## Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	124 ± 4.6	149 ± 3.0	186 ± 9.3	198 ± 0.9
100.0	119 ± 4.3	207 ± 5.5	184 ± 3.1	203 ± 13.0
500.0	153 ± 19.9 <sup>P</sup>	241 ± 22.9	189 ± 7.8	241 ± 28.2
1000.0	145 ± 4.9 <sup>P</sup>	242 ± 18.8	202 ± 6.5	153 ± 13.8
5000.0	144 ± 5.9 <sup>P</sup>	156 ± 10.1	214 ± 14.0	211 ± 26.4
10000.0	157 ± 4.4 <sup>P</sup>	162 ± 26.5	220 ± 7.9	131 ± 12.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>			711 ± 30.7	710 ± 32.1
Positive Control <sup>6</sup>	812 ± 14.4	1183 ± 140.0		

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

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