

Experiment Number: 133230

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

**G06: Ames Summary Data**

Test Compound: **Allyl urea**

CAS Number: **557-11-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **08:09:11**

**NTP Study Number:**

133230

**Study Result:**

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	139 ± 6.9	139 ± 5.9	123 ± 3.3	118 ± 8.4	147 ± 4.4
100.0	150 ± 14.3	142 ± 14.6	118 ± 6.6	117 ± 14.6	164 ± 12.5
333.0	147 ± 6.7	138 ± 9.1	123 ± 16.0	117 ± 9.5	169 ± 7.1
1000.0	143 ± 3.2	141 ± 8.5	107 ± 3.3	145 ± 6.9	191 ± 6.9
3333.0	135 ± 17.7	150 ± 6.2	126 ± 3.8	152 ± 7.5	205 ± 3.4
10000.0	122 ± 8.2	144 ± 5.4	132 ± 5.2	158 ± 12.5	218 ± 20.0
Trial Summary	Negative	Negative	Negative	Equivocal	Weakly Positive
Positive Control <sup>2</sup>			1263 ± 70.2	773 ± 20.3	
Positive Control <sup>3</sup>					768 ± 28.6
Positive Control <sup>4</sup>	431 ± 5.5				
Positive Control <sup>5</sup>		621 ± 9.8			

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	144 ± 7.7	152 ± 14.4
100.0	184 ± 9.6	145 ± 2.7
333.0	186 ± 7.8	162 ± 8.5
1000.0	195 ± 6.6	174 ± 2.6
3333.0	231 ± 15.0	202 ± 5.0
10000.0	210 ± 8.3	224 ± 7.9
Trial Summary	Weakly Positive	Weakly Positive
Positive Control <sup>2</sup>		
Positive Control <sup>3</sup>	876 ± 13.7	721 ± 39.5
Positive Control <sup>4</sup>		
Positive Control <sup>5</sup>		

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Strain: TA1535

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 2.3	18 ± 2.8	11 ± 1.5	17 ± 0.6
100.0	17 ± 5.0	14 ± 1.2	19 ± 0.9	24 ± 1.3
333.0	21 ± 3.2	14 ± 2.0	27 ± 2.4	44 ± 1.5
1000.0	18 ± 0.0	10 ± 3.0	44 ± 1.3	62 ± 7.0
3333.0	18 ± 0.3	12 ± 1.2	79 ± 2.7	77 ± 2.0
10000.0	32 ± 3.0	15 ± 2.4	101 ± 5.2	119 ± 10.3
Trial Summary	Negative	Negative	Positive	Positive
Positive Control <sup>3</sup>	365 ± 23.8	233 ± 2.2		
Positive Control <sup>5</sup>			390 ± 21.7	370 ± 16.2

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 3.3	45 ± 7.0	29 ± 0.6
100.0	17 ± 5.2	33 ± 3.3	26 ± 3.4
333.0	14 ± 1.5	39 ± 5.5	26 ± 4.0
1000.0	17 ± 1.2	37 ± 4.1	24 ± 1.3
3333.0	14 ± 0.6	49 ± 3.2	30 ± 2.1
10000.0	18 ± 3.2	46 ± 4.6	24 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>		135 ± 6.9	528 ± 35.3
Positive Control <sup>6</sup>	448 ± 41.4		

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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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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