

Experiment Number: 244865

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Picloram

CAS Number: 1918-02-1

Date Report Requested: 09/10/2018

Time Report Requested: 19:55:50

**NTP Study Number:**

244865

**Study Result:**

Negative

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Test Compound: Picloram

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	96 ± 5.2	97 ± 2.1	108 ± 2.9	89 ± 7.0	104 ± 4.2
100.0	92 ± 4.0	102 ± 6.1	92 ± 5.5	89 ± 5.2	105 ± 4.3
333.0	101 ± 10.5	89 ± 6.6	94 ± 12.9	90 ± 7.1	88 ± 12.2
1000.0	97 ± 7.1	94 ± 11.8	98 ± 2.3	90 ± 4.7	95 ± 11.7
3333.0	85 ± 9.8	90 ± 5.2	84 ± 8.8	90 ± 4.2	97 ± 13.4
10000.0	0 ± 0.0 <sup>s</sup>	Toxic	75 ± 4.5	81 ± 5.0 <sup>s</sup>	72 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	287 ± 7.3	217 ± 14.4			
Positive Control <sup>3</sup>			1456 ± 35.4	407 ± 7.3	1526 ± 39.4

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	91 ± 6.7
100.0	101 ± 7.9
333.0	84 ± 3.0
1000.0	81 ± 5.2
3333.0	84 ± 4.3
10000.0	91 ± 7.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	983 ± 51.8

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 2.4	25 ± 2.9	5 ± 0.0	7 ± 0.6	7 ± 0.7
100.0	22 ± 3.2	16 ± 5.4	9 ± 3.5	6 ± 3.0	8 ± 2.8
333.0	19 ± 1.0	21 ± 3.3	6 ± 0.6	5 ± 0.6	5 ± 0.3
1000.0	21 ± 1.7	19 ± 2.9	11 ± 2.0	6 ± 0.7	7 ± 1.5
3333.0	21 ± 3.8	8 ± 3.5 <sup>s</sup>	9 ± 1.9	4 ± 0.6	6 ± 0.3
10000.0	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	9 ± 2.0	6 ± 1.7	6 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	327 ± 8.2	276 ± 25.4			
Positive Control <sup>4</sup>			444 ± 25.2	182 ± 13.1	512 ± 24.7
Positive Control <sup>5</sup>					

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.5
100.0	8 ± 0.3
333.0	7 ± 2.8
1000.0	6 ± 1.3
3333.0	4 ± 1.2
10000.0	4 ± 0.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	359 ± 14.4

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**G06: Ames Summary Data**

Date Report Requested: 09/10/2018

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

Time Report Requested: 19:55:50

CAS Number: 1918-02-1

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.0	7 ± 0.6	6 ± 0.6	5 ± 0.3	7 ± 1.2
100.0	6 ± 1.9	4 ± 1.2	6 ± 1.2	5 ± 2.2	5 ± 0.6
333.0	4 ± 1.3	2 ± 0.7	5 ± 1.9	5 ± 0.3	6 ± 1.0
1000.0	4 ± 1.3	5 ± 1.2	5 ± 0.7	7 ± 2.3	6 ± 1.3
3333.0	5 ± 0.3	5 ± 0.3	6 ± 0.9	4 ± 0.3	6 ± 0.6
10000.0	0 ± 0.0 <sup>s</sup>	Toxic	5 ± 1.3	5 ± 1.3 <sup>s</sup>	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			423 ± 21.2	139 ± 18.6	473 ± 6.7
Positive Control <sup>6</sup>	161 ± 18.4	155 ± 12.1			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	4 ± 1.9
100.0	4 ± 1.0
333.0	7 ± 1.2
1000.0	5 ± 0.3
3333.0	4 ± 0.6
10000.0	7 ± 0.6
Trial Summary	Negative
Positive Control <sup>4</sup>	292 ± 10.3
Positive Control <sup>6</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>	17 ± 0.3	22 ± 1.2	31 ± 5.2	19 ± 0.0	32 ± 3.8
100.0	17 ± 1.5	15 ± 1.9	18 ± 3.1	27 ± 1.8	19 ± 1.2
333.0	12 ± 2.1	14 ± 3.6	25 ± 2.0	28 ± 1.5	25 ± 2.2
1000.0	13 ± 3.0	13 ± 0.6	22 ± 3.9	22 ± 1.9	25 ± 0.9
3333.0	9 ± 2.2	5 ± 0.9 <sup>s</sup>	23 ± 2.1	25 ± 3.2	27 ± 1.5
10000.0	0 ± 0.0 <sup>s</sup>	0 ± 0.0 <sup>s</sup>	16 ± 1.5	22 ± 3.3 <sup>s</sup>	23 ± 3.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			1195 ± 37.4	332 ± 15.1	1364 ± 70.3
Positive Control <sup>7</sup>	340 ± 20.0	374 ± 25.0			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	26 ± 1.2
100.0	31 ± 3.8
333.0	26 ± 1.2
1000.0	27 ± 3.8
3333.0	27 ± 0.3
10000.0	22 ± 4.7
Trial Summary	Negative
Positive Control <sup>3</sup>	813 ± 78.7
Positive Control <sup>7</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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 50.0 ug/Plate 9-Aminoacridine

7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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