

Experiment Number: 312927

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Myleran

CAS Number: 55-98-1

Date Report Requested: 09/12/2018

Time Report Requested: 04:08:35

**NTP Study Number:**

312927

**Study Result:**

Positive

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**G06: Ames Summary Data**

Date Report Requested: 09/12/2018

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

Time Report Requested: 04:08:35

**Strain: TA100**

<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>	128 ± 0.0	121 ± 6.7	149 ± 16.4	154 ± 5.6	148 ± 4.2
100.0	217 ± 11.4	206 ± 6.8	301 ± 3.4	313 ± 5.0	315 ± 8.3
333.0	385 ± 20.0	271 ± 21.4	431 ± 6.4	417 ± 13.0	447 ± 19.3
1000.0	632 ± 21.4	483 ± 4.2	712 ± 24.8	698 ± 10.7	750 ± 28.3
3333.0	1045 ± 19.2	785 ± 16.1	1092 ± 55.2	992 ± 13.3	1098 ± 43.1
10000.0	36 ± 31.5	890 ± 9.0	1407 ± 135.4	1480 ± 91.7	1555 ± 88.4
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			2023 ± 144.1	2277 ± 69.4	2179 ± 115.1
Positive Control <sup>3</sup>	1016 ± 103.4	1386 ± 59.2			

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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>	158 ± 3.6
100.0	271 ± 5.8
333.0	380 ± 36.8
1000.0	649 ± 20.0
3333.0	972 ± 24.4
10000.0	1481 ± 117.1
Trial Summary	Positive
Positive Control <sup>2</sup>	2404 ± 109.6
Positive Control <sup>3</sup>	

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

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**Strain: TA1535**

<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>	23 ± 1.2	32 ± 4.2	23 ± 1.2	28 ± 4.4	21 ± 2.3
100.0	86 ± 7.4	107 ± 4.3	114 ± 2.2	104 ± 9.5	134 ± 7.9
333.0	140 ± 5.5	150 ± 8.1	251 ± 5.7	189 ± 12.9	289 ± 12.0
1000.0	291 ± 2.6	269 ± 11.8	460 ± 23.7	303 ± 9.3	504 ± 11.3
3333.0	652 ± 11.4	554 ± 6.1	790 ± 46.8	634 ± 17.1	908 ± 37.0
10000.0	198 ± 149.5	867 ± 30.7	1081 ± 28.6	1001 ± 62.5	1194 ± 9.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>4</sup>			229 ± 21.8	300 ± 7.8	185 ± 22.7
Positive Control <sup>3</sup>	1037 ± 34.4	1468 ± 7.1			

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**G06: Ames Summary Data**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	26 ± 2.1
100.0	115 ± 7.8
333.0	167 ± 6.4
1000.0	444 ± 13.6
3333.0	765 ± 86.6
10000.0	995 ± 11.5
Trial Summary	Positive
Positive Control <sup>4</sup>	233 ± 11.6
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

Test Compound: Myleran

CAS Number: 55-98-1

Date Report Requested: 09/12/2018

Time Report Requested: 04:08:35

## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 3.0	20 ± 1.8	22 ± 2.7	15 ± 1.9	22 ± 3.3
100.0	16 ± 2.3		28 ± 3.0		25 ± 1.2
333.0	10 ± 2.9		23 ± 1.5		23 ± 2.0
1000.0	25 ± 2.4	138 ± 6.2	21 ± 0.5	13 ± 2.5	28 ± 2.5
1667.0		154 ± 15.1		15 ± 2.6	
3333.0	35 ± 7.7	160 ± 17.7	29 ± 2.3	18 ± 2.0	35 ± 2.0
6667.0		18 ± 1.2		35 ± 2.8	
10000.0	Toxic	Toxic	56 ± 7.1	34 ± 1.5	29 ± 3.7
Trial Summary	Weakly Positive	Positive	Equivocal	Positive	Equivocal
Positive Control <sup>4</sup>			282 ± 12.1	471 ± 14.7	272 ± 15.4
Positive Control <sup>5</sup>	295 ± 27.4	527 ± 91.3			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 1.0
100.0	
333.0	
1000.0	21 ± 0.3
1667.0	17 ± 1.5
3333.0	22 ± 2.4
6667.0	19 ± 0.3
10000.0	17 ± 2.0
Trial Summary	Negative
Positive Control <sup>4</sup>	297 ± 41.3
Positive Control <sup>5</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>	18 ± 1.5	35 ± 0.9	21 ± 3.6	33 ± 2.9	35 ± 3.0
100.0	21 ± 3.0	36 ± 1.9	34 ± 4.1	44 ± 4.4	38 ± 9.2
333.0	24 ± 5.5	40 ± 1.7	27 ± 1.2	50 ± 3.2	50 ± 3.5
1000.0	32 ± 1.5	51 ± 5.0	37 ± 2.1	48 ± 4.0	54 ± 3.3
3333.0	29 ± 3.8	48 ± 2.8	50 ± 6.5	54 ± 6.4	60 ± 8.6
10000.0	Toxic	Toxic	39 ± 1.5	49 ± 2.8	58 ± 6.4
Trial Summary	Weakly Positive	Weakly Positive	Positive	Weakly Positive	Weakly Positive
Positive Control <sup>2</sup>			1612 ± 101.4	1596 ± 14.6	1805 ± 123.8
Positive Control <sup>6</sup>	202 ± 14.2	298 ± 17.5			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	40 ± 1.0
100.0	43 ± 0.9
333.0	49 ± 6.1
1000.0	52 ± 3.8
3333.0	65 ± 9.4
10000.0	60 ± 2.5
Trial Summary	Weakly Positive
Positive Control <sup>2</sup>	2059 ± 77.5
Positive Control <sup>6</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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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