

Experiment Number: 537373

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

**G06: Ames Summary Data**

Test Compound: **Methyl salicylate**

CAS Number: **119-36-8**

Date Report Requested: **09/13/2018**

Time Report Requested: **00:33:45**

**NTP Study Number:**

537373

**Study Result:**

Negative

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CAS Number: 119-36-8

Date Report Requested: 09/13/2018

Time Report Requested: 00:33:45

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 50% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	81 ± 7.5	81 ± 11.2	93 ± 4.2	107 ± 3.0	122 ± 8.7
1.0	74 ± 4.8			76 ± 13.1	
3.3	76 ± 4.7	76 ± 5.6	96 ± 9.8	78 ± 1.5	80 ± 4.4
10.0	75 ± 10.0	78 ± 8.7	83 ± 5.0	75 ± 0.6	86 ± 12.7
33.3	77 ± 2.1	77 ± 6.5	71 ± 5.3	84 ± 9.6	84 ± 1.9
100.0	74 ± 7.5	82 ± 5.2	80 ± 2.6	68 ± 4.0	77 ± 5.3
333.3		68 ± 4.4	2 ± 2.3		0 ± 0.0
1000.0					
3333.3					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			553 ± 5.5	826 ± 35.9	1161 ± 10.3
Positive Control <sup>3</sup>	376 ± 17.8	458 ± 10.7			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 50% Hamster S9</b>
Vehicle Control <sup>1</sup>	96 ± 9.9
1.0	84 ± 1.7
3.3	79 ± 3.8
10.0	68 ± 4.8
33.3	76 ± 0.9
100.0	55 ± 7.2
333.3	
1000.0	
3333.3	
10000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1238 ± 90.7
Positive Control <sup>3</sup>	

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Test Compound: Methyl salicylate

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 50% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 3.5	9 ± 2.3	9 ± 1.7	11 ± 2.6	14 ± 0.6
1.0	11 ± 1.5			11 ± 2.5	
3.3	9 ± 1.5	8 ± 0.9	8 ± 0.3	5 ± 1.0	7 ± 2.6
10.0	11 ± 2.2	10 ± 1.7	9 ± 3.2	9 ± 2.6	11 ± 1.2
33.3	10 ± 1.0	17 ± 2.0	4 ± 0.9	9 ± 2.8	7 ± 0.3
100.0	10 ± 2.3	12 ± 1.3	4 ± 1.7	6 ± 0.9	4 ± 1.2
333.3		11 ± 1.9	2 ± 0.3		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	300 ± 20.8	375 ± 4.9			
Positive Control <sup>4</sup>			271 ± 15.5	355 ± 11.3	315 ± 3.8

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Strain: TA1535

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Dose (ug/Plate)	With 50% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 0.6
1.0	11 ± 2.7
3.3	10 ± 2.7
10.0	6 ± 1.8
33.3	9 ± 1.7
100.0	5 ± 0.9
333.3	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	326 ± 21.3

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Methyl salicylate

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 50% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.2	11 ± 2.2	5 ± 0.6	15 ± 0.3	13 ± 3.8
1.0	5 ± 0.6			18 ± 0.9	
3.3	5 ± 0.9	7 ± 1.2	11 ± 1.5	17 ± 2.7	9 ± 1.2
10.0	5 ± 0.7	7 ± 2.7	10 ± 2.4	17 ± 1.0	11 ± 1.7
33.3	6 ± 1.0	7 ± 2.4	5 ± 0.0	14 ± 0.9	7 ± 1.5
100.0	5 ± 2.0	6 ± 0.3	4 ± 0.9	14 ± 1.5	5 ± 0.3
333.3		5 ± 0.3	3 ± 1.0		2 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			311 ± 10.5	297 ± 29.2	348 ± 4.0
Positive Control <sup>5</sup>	245 ± 42.5	63 ± 7.8			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 50% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 1.7
1.0	16 ± 2.1
3.3	11 ± 1.8
10.0	15 ± 0.3
33.3	10 ± 1.5
100.0	7 ± 0.0
333.3	
Trial Summary	Negative
Positive Control <sup>4</sup>	487 ± 34.8
Positive Control <sup>5</sup>	

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**Strain: TA98**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 50% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 1.2	11 ± 3.3	17 ± 1.5	41 ± 1.7	18 ± 1.7
1.0	15 ± 1.5			42 ± 1.0	
3.3	16 ± 0.9	18 ± 1.5	20 ± 2.6	33 ± 5.1	18 ± 5.2
10.0	18 ± 1.2	17 ± 1.2	21 ± 1.3	34 ± 2.2	24 ± 1.9
33.3	20 ± 3.8	15 ± 1.7	13 ± 3.2	36 ± 4.6	16 ± 2.0
100.0	22 ± 2.2	13 ± 3.2	11 ± 1.0	31 ± 4.5	15 ± 3.8
333.3		10 ± 1.0	9 ± 2.9		8 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			320 ± 18.8	542 ± 12.7	864 ± 46.7
Positive Control <sup>6</sup>	655 ± 69.8	498 ± 19.7			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 50% Hamster S9</b>
Vehicle Control <sup>1</sup>	29 ± 2.3
1.0	35 ± 1.7
3.3	36 ± 1.5
10.0	32 ± 2.9
33.3	30 ± 3.2
100.0	31 ± 1.0
333.3	
Trial Summary	Negative
Positive Control <sup>2</sup>	198 ± 10.1
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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

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