

Experiment Number: A08135

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

**G06: Ames Summary Data**

Test Compound: **beta-Myrcene**

CAS Number: **123-35-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **16:24:27**

**NTP Study Number:**

A08135

**Study Result:**

Negative

Experiment Number: A08135

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 09/15/2018

Time Report Requested: 16:24:27

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	36 ± 3.1	45 ± 2.6	57 ± 7.2	83 ± 12.1	56 ± 1.8
10.0	47 ± 4.9	54 ± 0.9	66 ± 5.5	78 ± 11.4	
25.0	48 ± 5.2	28 ± 1.5	35 ± 5.5		
50.0	42 ± 3.4	24 ± 2.3	7 ± 0.9	65 ± 5.5	61 ± 3.3
75.0	42 ± 5.2	27 ± 2.3	8 ± 0.9		
100.0	Toxic	28 ± 4.4	Toxic	69 ± 8.0	56 ± 5.8
250.0				62 ± 2.7	42 ± 4.1
500.0				48 ± 4.3	20 ± 1.9
750.0					12 ± 0.9
1000.0					
2000.0					
5000.0					
10000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	403 ± 12.0	653 ± 31.7	387 ± 19.3		
Positive Control <sup>3</sup>				738 ± 30.5	665 ± 29.1

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>4</sup>				
Vehicle Control <sup>1</sup>	35 ± 2.7	21 ± 2.4	22 ± 2.1	30 ± 4.2
10.0	15 ± 3.6	16 ± 1.3	27 ± 2.5	
25.0		6 ± 0.3		
50.0	14 ± 3.3	6 ± 0.3	27 ± 2.6	26 ± 2.0
75.0		4 ± 1.0		
100.0	10 ± 0.3	5 ± 1.2	28 ± 4.6	25 ± 2.3
250.0	7 ± 2.9		25 ± 4.3	23 ± 0.6
500.0	5 ± 0.7		23 ± 1.9	16 ± 1.5
750.0				11 ± 2.3
1000.0				
2000.0				
5000.0				
10000.0				
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	417 ± 30.7		372 ± 38.1	418 ± 21.8
Positive Control <sup>5</sup>		295 ± 14.3		

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## Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	158 ± 4.2	181 ± 46.1	144 ± 5.9	200 ± 7.0	266 ± 53.5
50.0			111 ± 4.6		
100.0			86 ± 4.0		
500.0	149 ± 3.5	57 ± 5.8	84 ± 5.2	204 ± 5.9	218 ± 41.2
1000.0	149 ± 2.0	74 ± 5.9	74 ± 4.1	218 ± 15.0	132 ± 6.4
2000.0	147 ± 5.7	70 ± 4.6		190 ± 12.2	161 ± 10.4
5000.0	134 ± 6.4	99 ± 7.2	76 ± 1.0	190 ± 2.5	159 ± 13.2
10000.0	149 ± 6.9	82 ± 3.5	84 ± 4.6	186 ± 18.0	154 ± 17.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>				823 ± 3.5	
Positive Control <sup>7</sup>	806 ± 76.5	1183 ± 140.0	807 ± 70.6		

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Strain: E. coli WP2 uvrA pKM101

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Dose (ug/Plate)	With 10% Rat S9
Vehicle Control <sup>1</sup>	168 ± 2.3
50.0	
100.0	
500.0	174 ± 0.9
1000.0	156 ± 5.0
2000.0	164 ± 4.4
5000.0	166 ± 11.0
10000.0	177 ± 14.4
Trial Summary	Negative
Positive Control <sup>6</sup>	814 ± 45.2
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: 2.5 ug/Plate 2-Aminoanthracene
- 4: Vehicle Control: Dimethyl Formamide
- 5: 5.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 4000.0 ug/Plate Methyl Methane Sulfonate

\*\* END OF REPORT \*\*