

Experiment Number: **620639**  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **p-Cymen-8-ol**  
CAS Number: **1197-01-9**

Date Report Requested: **09/15/2018**  
Time Report Requested: **08:14:30**

**NTP Study Number:** 620639  
**Study Result:** Negative

Experiment Number: 620639

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

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CAS Number: 1197-01-9

Date Report Requested: 09/15/2018

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	143 ± 10.1	106 ± 14.5	140 ± 4.9	184 ± 2.3	128 ± 5.0
3.3		124 ± 9.9			
10.0	134 ± 3.4	103 ± 3.9	130 ± 1.5		108 ± 7.2
33.0	130 ± 6.2	110 ± 7.5	120 ± 7.8	162 ± 4.2	125 ± 3.8
100.0	126 ± 0.6	110 ± 4.2	120 ± 0.3	168 ± 8.7	108 ± 5.2
333.0	138 ± 3.7	99 ± 3.6	124 ± 3.3	169 ± 5.9	104 ± 12.8
1000.0	56 ± 9.3 <sup>s</sup>		118 ± 15.7	170 ± 2.7	98 ± 13.3
2000.0				0 ± 0.0 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					494 ± 9.9
Positive Control <sup>3</sup>	515 ± 35.7	355 ± 9.0			
Positive Control <sup>4</sup>			826 ± 21.7		
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>				740 ± 29.2	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	164 ± 6.0
3.3	
10.0	177 ± 17.7
33.0	164 ± 7.5
100.0	172 ± 13.5
333.0	166 ± 2.3
1000.0	165 ± 8.4
2000.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	558 ± 41.6
Positive Control <sup>6</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 1.5	6 ± 0.3	12 ± 0.9	15 ± 1.8	9 ± 2.0
3.3		8 ± 0.9			
10.0	14 ± 2.3	11 ± 1.2	13 ± 3.0		9 ± 1.5
33.0	11 ± 2.5	8 ± 2.1	12 ± 3.2	16 ± 1.2	6 ± 0.6
100.0	13 ± 1.8	8 ± 2.2	9 ± 0.3	15 ± 2.7	6 ± 1.2
333.0	10 ± 0.6	9 ± 0.7	8 ± 1.3	14 ± 1.2	10 ± 0.7
1000.0	8 ± 0.7 <sup>s</sup>		9 ± 2.5	15 ± 3.2	9 ± 2.5
2000.0				5 ± 2.2 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					143 ± 6.4
Positive Control <sup>3</sup>	250 ± 5.2	267 ± 18.4			
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>			36 ± 2.3	81 ± 4.7	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 1.3
3.3	
10.0	
33.0	12 ± 2.4
100.0	11 ± 1.7
333.0	13 ± 1.5
1000.0	19 ± 1.9
2000.0	1 ± 1.0 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	142 ± 8.4
Positive Control <sup>6</sup>	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	183 ± 7.8	156 ± 3.2	178 ± 5.2	234 ± 9.6	162 ± 4.6
3.3		150 ± 4.1			
10.0	174 ± 8.1	166 ± 5.7	169 ± 6.1	243 ± 12.1	161 ± 9.4
33.0	179 ± 10.5	146 ± 6.1	186 ± 9.8	266 ± 24.5	164 ± 8.1
100.0	173 ± 6.8	148 ± 9.5	173 ± 4.7	224 ± 22.3	159 ± 5.8
333.0	170 ± 5.2	142 ± 0.0	168 ± 8.7	191 ± 4.5	151 ± 3.7
1000.0	90 ± 9.7 <sup>s</sup>		167 ± 6.4	154 ± 24.8 <sup>s</sup>	156 ± 5.0
2000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					1361 ± 8.1
Positive Control <sup>6</sup>			1906 ± 41.8	570 ± 14.4	
Positive Control <sup>7</sup>	583 ± 23.8	715 ± 24.0			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	221 ± 13.0
3.3	
10.0	189 ± 5.2
33.0	202 ± 5.8
100.0	202 ± 10.9
333.0	193 ± 5.7
1000.0	207 ± 10.7
2000.0	
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	595 ± 28.1
Positive Control <sup>7</sup>	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 3.2	17 ± 2.3	19 ± 1.3	31 ± 1.5	18 ± 2.2
3.3		16 ± 1.7			
10.0	17 ± 3.2	15 ± 1.2	16 ± 2.6		17 ± 2.5
33.0	19 ± 2.3	18 ± 5.0	21 ± 2.5	31 ± 4.4	19 ± 3.7
100.0	22 ± 3.2	13 ± 2.6	20 ± 2.6	27 ± 3.8	16 ± 1.3
333.0	17 ± 2.9	15 ± 1.5	21 ± 3.0	33 ± 3.4	17 ± 0.9
1000.0	7 ± 1.5		21 ± 1.2	24 ± 2.1	15 ± 1.2
2000.0				1 ± 0.3 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			175 ± 6.9		397 ± 11.8
Positive Control <sup>8</sup>	515 ± 22.9	334 ± 9.9			
Positive Control <sup>5</sup>				352 ± 14.7	



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 1.8
3.3	
10.0	
33.0	24 ± 0.7
100.0	23 ± 2.6
333.0	29 ± 3.1
1000.0	23 ± 2.3
2000.0	4 ± 2.1 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>8</sup>	
Positive Control <sup>5</sup>	58 ± 2.9

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

\*\* END OF REPORT \*\*