

Experiment Number: A99835

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Hexamethyldisilazane

CAS Number: 999-97-3

Date Report Requested: 09/15/2018

Time Report Requested: 17:45:18

**NTP Study Number:**

A99835

**Study Result:**

Negative

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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>	114 ± 7.2	123 ± 13.3	155 ± 6.2	116 ± 4.1	155 ± 6.2
100.0	115 ± 5.6	122 ± 4.4	154 ± 2.8	115 ± 8.7	151 ± 6.3
333.0	117 ± 4.4	133 ± 11.5	163 ± 5.9	102 ± 4.5	164 ± 8.4
1000.0	117 ± 1.9	117 ± 4.2	140 ± 13.0	104 ± 3.1	173 ± 7.4
3333.0	121 ± 3.5	129 ± 5.3	164 ± 10.6	111 ± 1.7	164 ± 6.9
10000.0	110 ± 6.7	97 ± 9.0	141 ± 11.1	105 ± 7.3	136 ± 12.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					564 ± 24.7
Positive Control <sup>3</sup>			473 ± 38.9		
Positive Control <sup>4</sup>	882 ± 20.3	734 ± 9.2			
Positive Control <sup>5</sup>				425 ± 32.8	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	130 ± 2.0
100.0	109 ± 2.8
333.0	101 ± 2.7
1000.0	110 ± 0.6
3333.0	102 ± 6.5
10000.0	107 ± 7.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	495 ± 20.3
Positive Control <sup>4</sup>	
Positive Control <sup>5</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>	10 ± 1.0	11 ± 1.9	10 ± 1.2	14 ± 0.7	10 ± 0.9
100.0	10 ± 0.3	9 ± 1.5	10 ± 1.3	11 ± 1.3	10 ± 1.2
333.0	10 ± 1.2	11 ± 2.5	9 ± 0.3	12 ± 0.3	10 ± 1.3
1000.0	10 ± 0.3	8 ± 0.9	10 ± 2.7	11 ± 1.7	9 ± 0.3
3333.0	11 ± 0.6	10 ± 0.3	11 ± 1.7	10 ± 0.3	9 ± 1.0
10000.0	13 ± 1.7	10 ± 1.2	11 ± 2.4	12 ± 1.2	9 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					175 ± 13.5
Positive Control <sup>4</sup>	830 ± 11.6	671 ± 22.1			
Positive Control <sup>5</sup>			169 ± 8.7		
Positive Control <sup>6</sup>				165 ± 9.0	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 1.7
100.0	10 ± 0.9
333.0	10 ± 0.3
1000.0	10 ± 1.2
3333.0	12 ± 1.2
10000.0	10 ± 0.9
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	190 ± 6.6
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>	157 ± 4.7	124 ± 1.7	156 ± 13.3	195 ± 10.2	146 ± 2.5
100.0	155 ± 6.7	129 ± 19.7	139 ± 7.3	182 ± 17.2	171 ± 8.4
333.0	156 ± 8.7	124 ± 4.4	145 ± 9.4	193 ± 13.9	162 ± 12.7
1000.0	170 ± 3.2	116 ± 3.5	143 ± 4.5	200 ± 7.8	156 ± 6.9
3333.0	152 ± 12.5	134 ± 7.4	149 ± 4.4	190 ± 6.7	169 ± 5.5
10000.0	163 ± 12.0	114 ± 2.1	161 ± 11.7	156 ± 20.0	157 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					708 ± 32.2
Positive Control <sup>3</sup>			780 ± 26.7		
Positive Control <sup>5</sup>				867 ± 76.9	
Positive Control <sup>7</sup>	532 ± 14.1	454 ± 46.5			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	185 ± 3.6
100.0	186 ± 9.6
333.0	193 ± 9.8
1000.0	188 ± 5.8
3333.0	188 ± 13.9
10000.0	180 ± 3.4
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	987 ± 43.3
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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Test Compound: Hexamethyldisilazane

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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>	21 ± 1.9	22 ± 4.7	11 ± 2.3	19 ± 2.1	14 ± 0.9
100.0	19 ± 2.7	19 ± 2.7	14 ± 2.5	28 ± 1.3	12 ± 3.7
333.0	13 ± 2.0	16 ± 1.5	14 ± 3.5	20 ± 2.1	15 ± 1.8
1000.0	18 ± 4.5	17 ± 2.0	14 ± 2.4	25 ± 2.7	18 ± 0.9
3333.0	15 ± 3.2	17 ± 1.5	13 ± 2.9	23 ± 2.5	17 ± 1.0
10000.0	18 ± 6.2	18 ± 2.8	10 ± 1.2	16 ± 3.8	9 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					268 ± 22.5
Positive Control <sup>3</sup>			233 ± 3.8		
Positive Control <sup>8</sup>	311 ± 3.8	344 ± 2.3			
Positive Control <sup>5</sup>				471 ± 26.3	



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 2.8
100.0	22 ± 1.3
333.0	23 ± 1.7
1000.0	18 ± 1.0
3333.0	23 ± 1.7
10000.0	25 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	481 ± 14.9
Positive Control <sup>8</sup>	
Positive Control <sup>5</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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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