

Experiment Number: 722427

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

**G06: Ames Summary Data**

Test Compound: **Chlorotrimethylsilane**

CAS Number: 75-77-4

Date Report Requested: **09/12/2018**

Time Report Requested: **01:12:59**

**NTP Study Number:**

722427

**Study Result:**

Weakly Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	90 ± 6.0	97 ± 2.1	136 ± 7.7	105 ± 11.6	90 ± 7.4
33.0	109 ± 17.4			125 ± 8.4	
100.0	102 ± 11.3	98 ± 5.5	143 ± 4.9	103 ± 12.5	106 ± 4.5
333.0	97 ± 4.1	91 ± 12.6	147 ± 7.0	118 ± 7.0	107 ± 8.4
666.0		121 ± 5.4	130 ± 4.6		106 ± 5.7
1000.0	151 ± 8.5	143 ± 4.0	117 ± 14.5	170 ± 4.8	91 ± 4.3
1666.0	7 ± 5.3 <sup>s</sup>	150 ± 2.2	112 ± 7.8		104 ± 10.0
3333.0				0 ± 0.0 <sup>s</sup>	
Trial Summary	Equivocal	Weakly Positive	Negative	Equivocal	Negative
Positive Control <sup>2</sup>				399 ± 24.4	351 ± 57.3
Positive Control <sup>3</sup>	377 ± 7.5	217 ± 14.4	355 ± 21.4		

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	111 ± 9.8	91 ± 6.7	126 ± 12.2
33.0	109 ± 5.0		
100.0	121 ± 3.6	105 ± 1.5	146 ± 9.6
333.0	106 ± 9.1	117 ± 7.4	166 ± 7.2
666.0		121 ± 6.7	173 ± 2.2
1000.0	165 ± 2.6	151 ± 13.7	182 ± 9.2
1666.0		155 ± 13.0	113 ± 9.1
3333.0	0 ± 0.0 <sup>s</sup>		
Trial Summary	Equivocal	Weakly Positive	Weakly Positive
Positive Control <sup>2</sup>	1379 ± 19.9	983 ± 51.8	1405 ± 37.0
Positive Control <sup>3</sup>			

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**Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 5.4	25 ± 2.9	7 ± 0.3	7 ± 0.6	9 ± 3.3
33.0	29 ± 2.3		7 ± 1.2		11 ± 1.5
100.0	27 ± 5.1	13 ± 1.5	7 ± 0.6	7 ± 1.3	8 ± 1.9
333.0	31 ± 0.7	16 ± 1.2	11 ± 1.8	6 ± 0.3	11 ± 2.2
666.0		11 ± 2.7		6 ± 0.3	
1000.0	13 ± 2.9	9 ± 1.5	8 ± 2.0	7 ± 0.9	10 ± 1.0
1666.0	1 ± 1.0 <sup>s</sup>	10 ± 2.5		4 ± 0.6	
3333.0			0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	440 ± 6.9	276 ± 25.4			
Positive Control <sup>4</sup>			162 ± 6.1	182 ± 13.1	482 ± 29.5

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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>	9 ± 1.5
33.0	
100.0	7 ± 0.7
333.0	6 ± 0.9
666.0	6 ± 0.3
1000.0	7 ± 0.9
1666.0	8 ± 0.7
3333.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	359 ± 14.4

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## 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>	6 ± 1.2	7 ± 0.6	8 ± 1.2	5 ± 0.3	8 ± 0.9
33.0	5 ± 1.0		5 ± 1.2		9 ± 1.0
100.0	4 ± 1.0	3 ± 0.9	5 ± 1.3	4 ± 1.2	5 ± 1.2
333.0	6 ± 0.3	5 ± 1.2	7 ± 1.2	4 ± 1.5	4 ± 0.9
666.0		3 ± 0.3		4 ± 0.7	
1000.0	6 ± 1.2	4 ± 1.5	6 ± 1.0	5 ± 1.5	5 ± 0.9
1666.0	0 ± 0.0 <sup>s</sup>	3 ± 0.7		3 ± 1.0	
3333.0			0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			163 ± 25.6	139 ± 18.6	457 ± 9.5
Positive Control <sup>5</sup>	317 ± 31.7	155 ± 12.1			

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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>	4 ± 1.9
33.0	
100.0	6 ± 0.9
333.0	6 ± 1.0
666.0	7 ± 1.2
1000.0	6 ± 0.3
1666.0	7 ± 0.0
3333.0	
Trial Summary	Negative
Positive Control <sup>4</sup>	292 ± 10.3
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>	16 ± 1.2	22 ± 1.2	24 ± 1.0	19 ± 0.0	27 ± 4.6
33.0	21 ± 2.7		28 ± 2.3		27 ± 1.2
100.0	18 ± 1.5	15 ± 0.9	23 ± 1.8	21 ± 1.5	27 ± 1.0
333.0	15 ± 1.2	15 ± 0.7	24 ± 3.2	19 ± 2.9	33 ± 3.2
666.0		18 ± 0.6		26 ± 0.7	
1000.0	27 ± 0.9	21 ± 2.4	23 ± 2.0	27 ± 1.3	25 ± 4.2
1666.0	0 ± 0.0 <sup>s</sup>	20 ± 4.1		27 ± 1.5	
3333.0			0 ± 0.0 <sup>s</sup>		0 ± 0.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			285 ± 17.7	332 ± 15.1	1128 ± 60.2
Positive Control <sup>6</sup>	388 ± 21.7	374 ± 25.0			



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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>	26 ± 1.2
33.0	
100.0	23 ± 4.2
333.0	24 ± 2.0
666.0	26 ± 1.2
1000.0	31 ± 1.5
1666.0	32 ± 3.2
3333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	813 ± 78.7
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

s: Slight Toxicity

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