

Experiment Number: 395162

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dazomet

CAS Number: 533-74-4

Date Report Requested: 09/14/2018

Time Report Requested: 15:59:38

NTP Study Number:

395162

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	134 ± 5.2	143 ± 9.9	110 ± 14.0	173 ± 6.0	155 ± 6.3
0.33	141 ± 4.9				
1.0	140 ± 2.9				146 ± 11.8
3.3	142 ± 8.7				149 ± 9.7
10.0	175 ± 5.7	190 ± 4.9	119 ± 6.6	192 ± 4.6	164 ± 11.9
20.0			149 ± 7.1		
33.0	204 ± 3.1	239 ± 10.2	145 ± 12.5 ^p	184 ± 3.2	151 ± 2.7
50.0			87 ± 13.2 ^s		
67.0		155 ± 11.4 ^s	1 ± 0.9 ^s		
100.0		0 ± 0.0 ^s		190 ± 5.8	165 ± 16.0
200.0		Toxic			
333.0				93 ± 9.0 ^s	
500.0				Toxic	
Trial Summary	Weakly Positive	Weakly Positive	Equivocal	Negative	Negative
Positive Control ²	628 ± 32.9	305 ± 5.4	358 ± 17.2		
Positive Control ³					
Positive Control ⁴				770 ± 8.9	532 ± 11.3

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	181 ± 7.8
0.33	
1.0	
3.3	189 ± 7.4
10.0	161 ± 12.8
20.0	
33.0	177 ± 8.3
50.0	
67.0	
100.0	188 ± 2.1
200.0	176 ± 9.0
333.0	
500.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	545 ± 50.1
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9
Vehicle Control ¹	10 ± 1.2
10.0	10 ± 1.8
20.0	7 ± 1.0
33.0	8 ± 1.8
50.0	7 ± 0.9
67.0	6 ± 1.2 ^p
Trial Summary	Negative
Positive Control ²	201 ± 1.3

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 0.7	31 ± 4.4	26 ± 4.0	26 ± 1.5	27 ± 2.8
0.33	20 ± 1.5				
1.0	17 ± 1.2				
3.3	28 ± 0.7		26 ± 7.1		28 ± 2.7
10.0	22 ± 1.5	27 ± 1.5	26 ± 3.2	30 ± 3.3	27 ± 2.8
33.0	30 ± 4.3	32 ± 6.1	25 ± 4.2	30 ± 3.4	26 ± 4.5
100.0		29 ± 2.4	40 ± 5.2	26 ± 3.3	32 ± 3.5
200.0			41 ± 9.3 ^s		26 ± 1.7 ^s
333.0		8 ± 2.2 ^s		15 ± 2.0 ^s	
500.0		1 ± 0.3 ^s		0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³		372 ± 7.9	145 ± 3.0	72 ± 5.3	362 ± 11.6
Positive Control ⁵	577 ± 16.9				

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LEGEND

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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****