

Experiment Number: A17590

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 09/16/2018

Time Report Requested: 02:01:16

NTP Study Number:

A17590

Study Result:

Negative

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	72 ± 5.6	64 ± 3.2	82 ± 5.8	84 ± 2.3
100.0		64 ± 2.6		
150.0	62 ± 5.4			
200.0	61 ± 3.4	63 ± 1.8	79 ± 8.0	87 ± 3.2
250.0	64 ± 6.9	64 ± 1.3	88 ± 3.5	75 ± 6.2
400.0	63 ± 1.2	60 ± 5.1	87 ± 3.9	82 ± 1.2
500.0	41 ± 3.4	37 ± 2.6	65 ± 6.0	82 ± 2.4
1000.0	5 ± 0.0	0 ± 0.0	43 ± 1.5	53 ± 8.0
1500.0			27 ± 3.8	0 ± 0.0
2500.0				
3500.0				
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	696 ± 5.5	694 ± 54.3		
Positive Control ³			1170 ± 34.7	797 ± 62.0

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 3.6	25 ± 1.2	33 ± 1.5	26 ± 3.0
100.0				
150.0	23 ± 1.3	26 ± 3.2		
200.0	21 ± 3.5	21 ± 4.2		
250.0	23 ± 0.7	19 ± 2.9	25 ± 1.5	30 ± 2.9
400.0	20 ± 5.0	17 ± 2.1	27 ± 4.7	21 ± 2.0
500.0	25 ± 0.6	18 ± 2.4	42 ± 0.3	19 ± 3.2
1000.0	2 ± 0.7	0 ± 0.0	32 ± 3.8	21 ± 0.9
1500.0			25 ± 2.5	19 ± 3.0
2500.0			1 ± 0.0	0 ± 0.0
3500.0				
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1384 ± 14.2	1315 ± 90.1
Positive Control ⁴	570 ± 37.2	573 ± 16.3		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	140 ± 3.5	149 ± 2.6	227 ± 4.1	183 ± 5.1	175 ± 2.9
100.0			271 ± 14.0		
200.0	132 ± 2.4	154 ± 4.6			
250.0	138 ± 5.9	167 ± 9.5			
400.0	151 ± 9.5	160 ± 7.7		185 ± 1.9	168 ± 5.2
500.0	133 ± 3.8	134 ± 2.7	326 ± 10.3	184 ± 11.8	161 ± 1.2
1000.0	59 ± 6.8	26 ± 1.0		162 ± 3.8	136 ± 6.0
1500.0	6 ± 2.3	17 ± 3.1	261 ± 10.3	125 ± 14.8	136 ± 0.7
2500.0			302 ± 25.1	54 ± 2.0	53 ± 2.2
3500.0			348 ± 17.1	8 ± 1.7	0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ⁵			1007 ± 7.0	1078 ± 41.2	1142 ± 20.9
Positive Control ⁶	2113 ± 67.8	1894 ± 87.0			

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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: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **