

Experiment Number: **G10345F**

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

G06: Ames Summary Data

Test Compound: **Valerian (various)**

CAS Number: **8008-88-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **02:47:26**

NTP Study Number:

G10345F

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	110 ± 5.7	99 ± 7.3	104 ± 7.1	92 ± 9.8
100.0	100 ± 7.0	89 ± 6.4	114 ± 8.9	108 ± 1.5
200.0	98 ± 3.5	92 ± 4.1	128 ± 5.9	99 ± 7.1
500.0	103 ± 6.7	98 ± 6.2	120 ± 9.8	98 ± 3.5
1500.0	100 ± 2.6	83 ± 6.7	106 ± 6.8	90 ± 8.4
3000.0	111 ± 8.8	108 ± 3.1	121 ± 16.1	109 ± 3.5
6000.0	101 ± 5.3	105 ± 6.2	107 ± 4.8	104 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	605 ± 24.3	666 ± 1.2		
Positive Control ³			902 ± 16.1	902 ± 27.4

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	16 ± 1.5	18 ± 3.7	31 ± 1.5	32 ± 4.7
100.0	22 ± 4.1	18 ± 1.5	29 ± 3.8	29 ± 2.3
200.0	21 ± 2.6	24 ± 2.6	26 ± 4.3	29 ± 1.0
500.0	18 ± 1.7	19 ± 2.6	24 ± 2.6	31 ± 0.9
1500.0	19 ± 1.7	22 ± 2.8	28 ± 2.7	31 ± 1.2
3000.0	20 ± 4.8	22 ± 2.8	32 ± 3.5	32 ± 6.1
6000.0	17 ± 2.1	21 ± 1.9	31 ± 4.6	36 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			2517 ± 83.4	2456 ± 139.7
Positive Control ⁵	637 ± 44.6	717 ± 10.7		

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Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	195 ± 13.6	216 ± 14.2	231 ± 12.0	228 ± 13.7
100.0	198 ± 6.2	206 ± 7.2	204 ± 4.4	226 ± 8.0
200.0	207 ± 9.4	207 ± 6.7	217 ± 8.2	209 ± 4.9
500.0	190 ± 22.7	206 ± 5.0	209 ± 2.6	235 ± 8.1
1500.0	199 ± 4.5	207 ± 14.8	232 ± 3.8	222 ± 4.7
3000.0	207 ± 6.1	233 ± 11.3	236 ± 7.5	217 ± 11.4
6000.0	209 ± 5.9	206 ± 10.1	226 ± 13.9	218 ± 16.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1370 ± 38.0	1574 ± 243.5		
Positive Control ⁷			1603 ± 17.1	1605 ± 5.5

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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: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****