

Experiment Number: **G10345B**

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

G06: Ames Summary Data

Test Compound: **Valerian (various)**

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

Date Report Requested: **09/15/2018**

Time Report Requested: **23:10:01**

NTP Study Number:

G10345B

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	96 ± 1.2	100 ± 2.2	115 ± 6.9	102 ± 3.2
12.5	111 ± 2.0	113 ± 5.5	104 ± 2.0	101 ± 3.8
50.0	109 ± 11.3	98 ± 4.3	116 ± 9.3	94 ± 1.2
125.0	106 ± 8.0	94 ± 1.5	109 ± 2.6	92 ± 1.2
500.0	92 ± 5.5	108 ± 3.0	113 ± 4.0	100 ± 5.8
1500.0	106 ± 3.3	99 ± 2.4	111 ± 3.2	105 ± 7.0
6000.0	107 ± 1.9	100 ± 8.2	117 ± 1.5	99 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	592 ± 17.2	599 ± 13.2		
Positive Control ³			915 ± 28.0	756 ± 4.9

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12 ± 1.2	17 ± 1.8	27 ± 3.1	34 ± 0.3
12.5	13 ± 0.0	21 ± 1.5	38 ± 4.0	29 ± 1.2
50.0	11 ± 2.7	18 ± 2.6	30 ± 2.3	33 ± 6.2
125.0	17 ± 4.4	17 ± 0.7	35 ± 4.8	23 ± 1.5
500.0	14 ± 0.3	14 ± 1.2	33 ± 3.6	26 ± 1.5
1500.0	18 ± 0.3	23 ± 2.6	34 ± 3.8	26 ± 3.4
6000.0	19 ± 3.5	23 ± 1.2	36 ± 1.5	26 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			2803 ± 187.4	1999 ± 207.6
Positive Control ⁵	351 ± 10.5	283 ± 31.5		

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Valerian (various)**CAS Number: **8008-88-6**Date Report Requested: **09/15/2018**Time Report Requested: **23:10:01****Strain: E. coli WP2 uvrA pKM101**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	126 ± 13.3	172 ± 10.1	147 ± 0.7	218 ± 5.0
12.5	106 ± 12.2	200 ± 6.9	132 ± 4.8	211 ± 6.7
50.0	111 ± 9.2	211 ± 14.5	138 ± 16.7	208 ± 8.2
125.0	132 ± 7.4	222 ± 7.6	157 ± 14.3	202 ± 3.7
500.0	108 ± 8.0	218 ± 9.3	143 ± 1.5	199 ± 5.0
1500.0	119 ± 6.4	202 ± 11.1	136 ± 4.4	245 ± 16.5
6000.0	119 ± 7.8	216 ± 1.5	145 ± 8.1	224 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1544 ± 119.2	1771 ± 30.5		
Positive Control ⁷			1607 ± 131.1	1566 ± 26.8

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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: Distilled Water

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 ****