

Experiment Number: **G10345D**

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: **02:39:48**

NTP Study Number:

G10345D

Study Result:

Negative

Experiment Number: **G10345D**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: **02:39:48**

Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	114 ± 5.4	86 ± 10.6	131 ± 3.2	112 ± 3.1
100.0	82 ± 4.7			
250.0	73 ± 1.2	81 ± 1.3	109 ± 5.0	121 ± 5.0
500.0	66 ± 3.7	56 ± 6.6	82 ± 1.9	79 ± 3.3
1000.0	67 ± 7.6	45 ± 2.0	45 ± 2.6	40 ± 8.2
1500.0	64 ± 10.8	33 ± 5.9	32 ± 5.6	38 ± 4.9
3000.0	29 ± 9.0 ^s	2 ± 1.0 ^s	59 ± 2.3	50 ± 0.9
6000.0		Toxic	59 ± 5.8	79 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	635 ± 9.0	661 ± 8.3		
Positive Control ³			1058 ± 53.2	892 ± 6.6

Experiment Number: **G10345D**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: **02:39:48**

Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 1.9	16 ± 1.3	19 ± 3.2	20 ± 1.5
100.0	10 ± 2.6	12 ± 4.4		
250.0	13 ± 2.3	11 ± 2.0	28 ± 5.8	19 ± 2.6
500.0	10 ± 1.9	9 ± 0.9	23 ± 0.0	19 ± 1.5
1000.0	8 ± 1.2	11 ± 1.0	22 ± 2.8	24 ± 4.1
1500.0	15 ± 1.5	9 ± 0.9	16 ± 2.2	15 ± 3.5
3000.0	Toxic	3 ± 1.5 ^S	18 ± 2.6	15 ± 3.5
6000.0			12 ± 1.5	5 ± 1.5 ^S
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			2363 ± 196.0	2637 ± 131.2
Positive Control ⁵	566 ± 19.2	470 ± 25.0		

Experiment Number: **G10345D**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: **02:39:48****Strain: E. coli WP2 uvrA pKM101**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	140 ± 8.8	99 ± 7.9	181 ± 5.5	124 ± 12.7
250.0	136 ± 7.5	99 ± 5.5	176 ± 6.7	116 ± 5.2
500.0	138 ± 13.4	95 ± 6.8	182 ± 15.1	111 ± 5.1
1000.0	139 ± 13.5	84 ± 8.3	154 ± 7.4	127 ± 4.1
1500.0	143 ± 8.4	103 ± 6.7	159 ± 1.5	103 ± 3.3
3000.0	134 ± 6.0	92 ± 7.0	150 ± 9.1	118 ± 6.6
6000.0	139 ± 17.3	101 ± 8.8	139 ± 10.7	109 ± 8.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1576 ± 66.8	2186 ± 58.8		
Positive Control ⁷			1646 ± 21.2	1219 ± 15.3

Experiment Number: **G10345D**
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: **02:39:48**

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

s: Slight Toxicity

**** END OF REPORT ****