

Experiment Number: **G10345K**

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: **02:58:53**

NTP Study Number:

G10345K

Study Result:

Negative

Experiment Number: G10345K
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: 02:58:53

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	88 ± 5.4	119 ± 4.3	99 ± 4.5	127 ± 11.5
12.5	111 ± 0.3	126 ± 1.7	93 ± 8.9	148 ± 4.1
50.0	102 ± 10.6	113 ± 2.8	101 ± 11.3	125 ± 9.0
125.0	108 ± 2.7	132 ± 5.4	92 ± 8.8	128 ± 4.3
500.0	106 ± 1.3	116 ± 11.1	89 ± 1.5	136 ± 1.9
1500.0	99 ± 4.5	122 ± 1.0	106 ± 5.2	124 ± 3.5
6000.0	84 ± 5.2	129 ± 5.2	98 ± 3.3	138 ± 10.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	465 ± 30.3	588 ± 11.8		
Positive Control ³			800 ± 33.3	812 ± 6.9

Experiment Number: G10345K
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: 02:58:53

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18 ± 1.8	15 ± 3.8	26 ± 3.5	27 ± 4.3
12.5	17 ± 1.2	17 ± 1.5	29 ± 5.9	25 ± 2.9
50.0	21 ± 5.3	22 ± 3.1	25 ± 3.1	21 ± 4.1
125.0	17 ± 3.8	18 ± 3.3	30 ± 5.2	31 ± 1.2
500.0	17 ± 1.2	17 ± 1.9	23 ± 1.2	25 ± 0.9
1500.0	15 ± 3.2	20 ± 2.3	31 ± 3.9	31 ± 2.7
6000.0	20 ± 5.7	18 ± 4.6	25 ± 2.1	23 ± 3.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			2429 ± 140.5	2896 ± 288.0
Positive Control ⁵	1267 ± 57.5	445 ± 31.2		

Experiment Number: G10345K
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: 02:58:53

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	119 ± 5.5	129 ± 11.0	151 ± 9.6	179 ± 4.8
12.5	132 ± 8.6	106 ± 6.4	142 ± 1.5	150 ± 6.5
50.0	119 ± 9.5	104 ± 8.1	137 ± 4.8	166 ± 5.3
125.0	132 ± 8.0	122 ± 10.7	131 ± 7.2	175 ± 15.1
500.0	123 ± 8.0	116 ± 2.5	159 ± 11.3	179 ± 7.0
1500.0	143 ± 1.2	133 ± 8.2	168 ± 9.9	201 ± 6.9
6000.0	122 ± 2.1	131 ± 4.0	167 ± 4.3	196 ± 10.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1655 ± 60.8	1544 ± 106.8		
Positive Control ⁷			1474 ± 69.0	1400 ± 87.4

Experiment Number: **G10345K**
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: **02:58:53**

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 ****