

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate

CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

NTP Study Number:

315959

Study Result:

Negative

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	151 ± 10.0	137 ± 7.4	214 ± 9.7	146 ± 8.1	216 ± 9.3
10.0	151 ± 18.3	115 ± 9.8			
33.0	166 ± 6.4	120 ± 9.6		152 ± 11.1	
100.0	143 ± 5.5	124 ± 3.3	216 ± 6.8	148 ± 7.7	225 ± 8.4
333.0	139 ± 9.3	127 ± 4.4	226 ± 6.9	133 ± 12.8	239 ± 21.7
1000.0	133 ± 7.4	104 ± 1.3	228 ± 3.9	142 ± 3.3	247 ± 12.3
3333.0			204 ± 7.5	149 ± 11.9	239 ± 16.4
10000.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			2719 ± 231.9	2265 ± 36.3	1680 ± 64.7
Positive Control ³	1423 ± 77.5	1254 ± 31.9			

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	140 ± 7.5
10.0	
33.0	145 ± 12.7
100.0	149 ± 6.1
333.0	146 ± 8.7
1000.0	164 ± 4.7
3333.0	159 ± 10.9
10000.0	
Trial Summary	Negative
Positive Control ²	2507 ± 173.1
Positive Control ³	

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.6	8 ± 1.8	19 ± 1.2	10 ± 1.2	18 ± 3.6
10.0	21 ± 3.7	9 ± 1.5			
33.0	15 ± 2.5	5 ± 0.3			
100.0	16 ± 2.5	6 ± 1.3	23 ± 0.6	9 ± 2.1	23 ± 2.4
333.0	12 ± 1.9	4 ± 0.3	26 ± 0.3	7 ± 1.0	28 ± 5.5
1000.0	9 ± 1.7	2 ± 0.3	25 ± 2.4	11 ± 2.6	25 ± 2.2
3333.0			21 ± 4.7	4 ± 0.6	27 ± 3.5
10000.0			2 ± 0.3	5 ± 1.5	5 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁴			278 ± 44.0	209 ± 7.0	406 ± 53.2
Positive Control ³	699 ± 72.5	642 ± 9.8			

Experiment Number: 315959

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

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate

CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.3
10.0	
33.0	
100.0	11 ± 2.0
333.0	6 ± 0.6
1000.0	8 ± 1.5
3333.0	5 ± 1.0
10000.0	3 ± 0.7
Trial Summary	Negative
Positive Control ⁴	253 ± 16.7
Positive Control ³	

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.5	5 ± 1.0	15 ± 1.8	11 ± 1.3	15 ± 0.9
3.3		8 ± 0.3			
10.0	11 ± 0.7	7 ± 0.6			
33.0	8 ± 1.0	6 ± 1.2			
100.0	8 ± 2.1	5 ± 0.7	14 ± 0.6	8 ± 2.4	16 ± 2.7
333.0	4 ± 1.2	1 ± 0.9	16 ± 1.2	10 ± 1.5	19 ± 1.5
1000.0	2 ± 1.5		14 ± 0.3	8 ± 2.0	17 ± 1.5
3333.0			7 ± 0.3	9 ± 2.0	12 ± 1.0
10000.0			4 ± 0.6	4 ± 0.7	1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			211 ± 8.8	185 ± 39.6	173 ± 10.0
Positive Control ⁵	465 ± 44.5	253 ± 68.4			

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.3
3.3	
10.0	
33.0	
100.0	8 ± 0.9
333.0	5 ± 0.7
1000.0	9 ± 2.0
3333.0	8 ± 1.5
10000.0	4 ± 0.7
Trial Summary	Negative
Positive Control ⁴	226 ± 55.7
Positive Control ⁵	

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 1.7	13 ± 2.9	30 ± 5.7	24 ± 2.6	38 ± 3.3
10.0	30 ± 2.6	12 ± 0.7			
33.0	18 ± 3.5	11 ± 1.5			
100.0	18 ± 2.5	10 ± 1.5	33 ± 3.6	21 ± 4.5	27 ± 2.2
333.0	21 ± 2.4	12 ± 2.1	34 ± 3.2	19 ± 4.3	35 ± 2.7
1000.0	13 ± 0.3	8 ± 1.7	33 ± 2.2	18 ± 4.0	39 ± 0.3
3333.0			23 ± 1.8	18 ± 1.2	30 ± 5.1
10000.0			9 ± 3.2	7 ± 1.5	12 ± 0.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			391 ± 44.1	1545 ± 112.3	553 ± 64.6
Positive Control ⁶	182 ± 24.9	357 ± 36.5			

Experiment Number: 315959

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,6-Hexamethylene diacrylate
CAS Number: 13048-33-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:21:16

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.9
10.0	
33.0	16 ± 1.9
100.0	17 ± 0.6
333.0	16 ± 1.7
1000.0	13 ± 3.2
3333.0	13 ± 2.3
10000.0	
Trial Summary	Negative
Positive Control ²	1542 ± 45.0
Positive Control ⁶	

Experiment Number: 315959

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

G06: Ames Summary Data

Test Compound: **1,6-Hexamethylene diacrylate**

CAS Number: **13048-33-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **09:21:16**

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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****