

Experiment Number: 663895

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Date Report Requested: 09/11/2018

Time Report Requested: 11:58:38

NTP Study Number:

663895

Study Result:

Equivocal

Experiment Number: 663895

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Date Report Requested: 09/11/2018

Time Report Requested: 11:58:38

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 11.7	121 ± 10.0	134 ± 4.0	135 ± 7.5	122 ± 6.0
33.0		106 ± 5.3	134 ± 0.5		125 ± 6.5
100.0	108 ± 6.0	114 ± 0.9	123 ± 4.1	123 ± 1.0	119 ± 9.7
333.0	110 ± 7.2	111 ± 1.0	105 ± 3.1	128 ± 3.5	120 ± 8.0
1000.0	115 ± 7.0	114 ± 8.1	103 ± 8.7	145 ± 15.1	116 ± 7.0
3333.0	107 ± 7.5	119 ± 9.8	113 ± 4.2	160 ± 3.8	114 ± 9.8
10000.0	112 ± 2.2 ^p			145 ± 7.0 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					476 ± 18.4
Positive Control ³			313 ± 14.0		
Positive Control ⁴				378 ± 29.9	
Positive Control ⁵	509 ± 33.7	682 ± 34.6			

Experiment Number: 663895

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Date Report Requested: 09/11/2018

Time Report Requested: 11:58:38

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	125 ± 7.2
33.0	
100.0	131 ± 3.5
333.0	139 ± 9.5
1000.0	142 ± 10.3
3333.0	146 ± 6.1
10000.0	129 ± 11.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	442 ± 20.0
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 663895

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Isophthalic acid, trimethylolethane soybean polymer**

Time Report Requested: 11:58:38

CAS Number: 66070-63-1

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.2	10 ± 1.5	14 ± 3.4	11 ± 1.5	10 ± 1.7
33.0		7 ± 1.2	13 ± 2.1		10 ± 1.5
100.0	9 ± 1.9	9 ± 0.9	9 ± 0.9	16 ± 2.0	13 ± 1.5
333.0	12 ± 2.6	10 ± 1.8	13 ± 0.7	16 ± 1.5	11 ± 2.2
1000.0	10 ± 1.5	9 ± 0.6	11 ± 0.6	16 ± 2.2	9 ± 1.5
3333.0	14 ± 1.5	9 ± 1.2	8 ± 0.3	13 ± 1.5	11 ± 1.0
10000.0	10 ± 0.0 ^p			12 ± 0.9 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					129 ± 6.3
Positive Control ⁴			93 ± 1.9		
Positive Control ⁵	681 ± 18.8	634 ± 40.8			
Positive Control ⁶				149 ± 3.8	

Experiment Number: 663895

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Date Report Requested: 09/11/2018

Time Report Requested: 11:58:38

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 0.0
33.0	
100.0	12 ± 3.1
333.0	11 ± 0.7
1000.0	12 ± 2.3
3333.0	16 ± 1.5
10000.0	11 ± 0.7 ^P
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	271 ± 20.1
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: 663895

G06: Ames Summary Data

Date Report Requested: 09/11/2018

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

Test Compound: **Isophthalic acid, trimethylolethane soybean polymer**
CAS Number: 66070-63-1

Time Report Requested: 11:58:38

Strain: TA1537

Dose (ug/Plate)	With 30% Rat S9
Vehicle Control ¹	6 ± 0.6
333.0	7 ± 1.5
666.0	3 ± 0.3
1000.0	6 ± 0.7
3333.0	7 ± 1.2
6666.0	8 ± 0.7
Trial Summary	Negative
Positive Control ⁴	46 ± 4.3

Experiment Number: 663895

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Time Report Requested: 11:58:38

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	108 ± 4.0	123 ± 12.1	160 ± 11.0	175 ± 1.9	113 ± 1.7
33.0		127 ± 2.0			
100.0	109 ± 6.9	120 ± 1.9			158 ± 5.5
333.0	107 ± 5.3	127 ± 5.6	177 ± 9.0	174 ± 8.3	140 ± 5.2
666.0			191 ± 3.6	198 ± 6.0	
1000.0	107 ± 9.1	125 ± 2.0	183 ± 6.5	180 ± 3.0	183 ± 5.2
3333.0	114 ± 8.0	122 ± 2.9	198 ± 10.2	194 ± 12.5	203 ± 4.6
6666.0			210 ± 5.3	175 ± 15.3	
10000.0	110 ± 3.8 ^p				205 ± 8.9 ^p
Trial Summary	Negative	Negative	Equivocal	Negative	Weakly Positive
Positive Control ²					
Positive Control ³			529 ± 61.8	366 ± 6.9	
Positive Control ⁴					311 ± 3.8
Positive Control ⁷	322 ± 14.3	279 ± 23.6			

Experiment Number: 663895

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Isophthalic acid, trimethylolethane soybean polymer**
CAS Number: 66070-63-1

Time Report Requested: 11:58:38

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	155 ± 2.3	122 ± 5.2	132 ± 2.4	101 ± 6.8
33.0			121 ± 4.4	
100.0			128 ± 2.3	106 ± 3.4
333.0	172 ± 3.4	121 ± 15.2	138 ± 7.0	120 ± 6.7
666.0	187 ± 5.6	170 ± 1.8		
1000.0	200 ± 0.9	178 ± 3.3	144 ± 2.8	108 ± 1.7
3333.0	204 ± 7.9	172 ± 8.4	134 ± 11.7	111 ± 2.0
6666.0	211 ± 3.1	159 ± 5.0		
10000.0				110 ± 5.5 ^p
Trial Summary	Equivocal	Equivocal	Negative	Negative
Positive Control ²			629 ± 30.7	
Positive Control ³				259 ± 6.1
Positive Control ⁴	368 ± 12.8	261 ± 24.2		
Positive Control ⁷				

Experiment Number: 663895

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Time Report Requested: 11:58:38

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 4.0	16 ± 1.5	18 ± 1.3	27 ± 1.5	20 ± 0.6
33.0		20 ± 2.6	13 ± 1.9		21 ± 1.8
100.0	16 ± 3.8	11 ± 1.5	16 ± 0.9	30 ± 3.1	17 ± 1.2
333.0	23 ± 1.3	16 ± 2.0	17 ± 0.9	26 ± 3.6	16 ± 1.5
1000.0	22 ± 2.0	12 ± 2.0	16 ± 2.7	23 ± 3.1	16 ± 1.7
3333.0	27 ± 1.2	14 ± 2.7	16 ± 1.3	31 ± 1.2	16 ± 0.6
10000.0	27 ± 1.5 ^p			31 ± 2.3 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					367 ± 33.4
Positive Control ³			232 ± 13.2	164 ± 13.9	
Positive Control ⁸	348 ± 13.9	291 ± 21.1			

Experiment Number: 663895

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isophthalic acid, trimethylolethane soybean polymer
CAS Number: 66070-63-1

Date Report Requested: 09/11/2018

Time Report Requested: 11:58:38

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 1.0
33.0	
100.0	24 ± 2.1
333.0	26 ± 5.0
1000.0	27 ± 1.5
3333.0	35 ± 2.7
10000.0	27 ± 1.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	227 ± 2.9
Positive Control ⁸	

Experiment Number: 663895

G06: Ames Summary Data

Date Report Requested: 09/11/2018

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

Test Compound: **Isophthalic acid, trimethylolethane soybean polymer**
CAS Number: 66070-63-1

Time Report Requested: 11:58:38

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: Acetone

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****