

Experiment Number: 204559

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Mono(2-ethylhexyl)phthalate

CAS Number: 4376-20-9

Date Report Requested: 09/14/2018

Time Report Requested: 08:59:13

NTP Study Number:

204559

Study Result:

Negative

Experiment Number: 204559

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Mono(2-ethylhexyl)phthalate
CAS Number: 4376-20-9

Date Report Requested: 09/14/2018

Time Report Requested: 08:59:13

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	109 ± 5.4	90 ± 6.4	114 ± 8.1	98 ± 8.1	109 ± 9.2
10.0		96 ± 6.7			
33.0	107 ± 3.8	103 ± 6.1	114 ± 5.7	107 ± 9.0	115 ± 6.8
100.0	120 ± 10.2	95 ± 8.7	109 ± 4.9	99 ± 5.7	117 ± 12.3
333.0	112 ± 13.3	96 ± 13.5	104 ± 0.7	102 ± 7.9	122 ± 7.5
1000.0	115 ± 4.7	81 ± 2.0	89 ± 4.7	98 ± 7.9	115 ± 3.5
3333.0	0 ± 0.0 ^s		94 ± 17.2	14 ± 14.3 ^s	97 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			356 ± 6.4	351 ± 22.9	1010 ± 78.3
Positive Control ³	306 ± 7.6	388 ± 4.3			

Experiment Number: 204559
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Mono(2-ethylhexyl)phthalate
CAS Number: 4376-20-9

Date Report Requested: 09/14/2018
Time Report Requested: 08:59:13

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	103 ± 8.7
10.0	
33.0	95 ± 8.7
100.0	93 ± 6.2
333.0	98 ± 3.0
1000.0	87 ± 1.2
3333.0	59 ± 3.5 ^s
Trial Summary	Negative
Positive Control ²	1111 ± 49.2
Positive Control ³	

Experiment Number: 204559

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Mono(2-ethylhexyl)phthalate
CAS Number: 4376-20-9

Date Report Requested: 09/14/2018

Time Report Requested: 08:59:13

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 ± 1.5	20 ± 3.5	8 ± 2.2	9 ± 0.6	15 ± 1.2
10.0		26 ± 4.2			
33.0	15 ± 1.2	31 ± 0.7	8 ± 0.6	12 ± 3.6	9 ± 3.0
100.0	16 ± 3.8	30 ± 1.7	5 ± 0.3	7 ± 0.6	11 ± 3.3
333.0	24 ± 1.8	28 ± 2.3	10 ± 1.7	7 ± 0.3	8 ± 0.3
1000.0	21 ± 3.2	24 ± 2.6	4 ± 1.7	10 ± 1.7	10 ± 2.6
3333.0	4 ± 1.5 ^s		5 ± 2.0	4 ± 1.2 ^s	9 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	342 ± 3.3	410 ± 15.2			
Positive Control ⁴			176 ± 20.2	168 ± 21.2	323 ± 13.2

Experiment Number: 204559
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Mono(2-ethylhexyl)phthalate
CAS Number: 4376-20-9

Date Report Requested: 09/14/2018
Time Report Requested: 08:59:13

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.1
10.0	
33.0	11 ± 2.0
100.0	10 ± 2.8
333.0	12 ± 2.0
1000.0	9 ± 3.0
3333.0	5 ± 0.6 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	369 ± 20.8

Experiment Number: 204559

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Mono(2-ethylhexyl)phthalate

CAS Number: 4376-20-9

Date Report Requested: 09/14/2018

Time Report Requested: 08:59:13

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.0	5 ± 0.3	4 ± 1.5	6 ± 0.9	4 ± 0.7
10.0		4 ± 1.2			
33.0	6 ± 1.2	4 ± 1.2	8 ± 0.6	6 ± 1.5	5 ± 1.9
100.0	6 ± 1.0	6 ± 1.2	9 ± 2.2	5 ± 1.5	5 ± 1.8
333.0	5 ± 1.5	6 ± 0.3	5 ± 1.5	4 ± 0.9	5 ± 1.2
1000.0	4 ± 0.6	4 ± 1.0	8 ± 2.9	7 ± 2.0	4 ± 1.0
3333.0	0 ± 0.0 ^s		7 ± 1.2	2 ± 0.3 ^s	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			100 ± 2.0	124 ± 11.9	446 ± 36.0
Positive Control ⁵	277 ± 37.1	521 ± 48.1			

Experiment Number: 204559
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Mono(2-ethylhexyl)phthalate
CAS Number: 4376-20-9

Date Report Requested: 09/14/2018
Time Report Requested: 08:59:13

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.7
10.0	
33.0	5 ± 1.2
100.0	5 ± 0.9
333.0	9 ± 0.6
1000.0	4 ± 0.3
3333.0	4 ± 1.7 ^s
Trial Summary	Negative
Positive Control ⁴	426 ± 15.5
Positive Control ⁵	

Experiment Number: 204559
 Test Type: Genetic Toxicology - Bacterial
 Mutagenicity

G06: Ames Summary Data
 Test Compound: Mono(2-ethylhexyl)phthalate
 CAS Number: 4376-20-9

Date Report Requested: 09/14/2018
 Time Report Requested: 08:59:13

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 2.1	16 ± 1.7	26 ± 2.9	20 ± 4.1	31 ± 6.4
10.0		18 ± 4.7			
33.0	12 ± 2.6	18 ± 4.3	23 ± 6.7	26 ± 0.3	30 ± 2.2
100.0	18 ± 2.8	16 ± 1.8	29 ± 2.0	25 ± 0.7	29 ± 1.2
333.0	16 ± 0.3	12 ± 0.3	23 ± 1.9	21 ± 1.8	25 ± 4.6
1000.0	18 ± 1.9	16 ± 1.2	19 ± 0.3	19 ± 1.2	26 ± 2.8
3333.0	0 ± 0.0 ^s		24 ± 4.7	9 ± 3.7 ^s	21 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			268 ± 38.5	444 ± 76.4	974 ± 38.4
Positive Control ⁶	739 ± 14.4	412 ± 8.2			

Experiment Number: 204559
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Mono(2-ethylhexyl)phthalate
CAS Number: 4376-20-9

Date Report Requested: 09/14/2018
Time Report Requested: 08:59:13

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 3.7
10.0	
33.0	31 ± 5.8
100.0	20 ± 2.0
333.0	26 ± 3.2
1000.0	22 ± 3.0
3333.0	16 ± 1.5 ^s
Trial Summary	Negative
Positive Control ²	1365 ± 55.1
Positive Control ⁶	

Experiment Number: 204559

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

G06: Ames Summary Data

Test Compound: **Mono(2-ethylhexyl)phthalate**

CAS Number: 4376-20-9

Date Report Requested: 09/14/2018

Time Report Requested: 08:59:13

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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****