Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

NTP Study Number: 148785

Study Result: Negative

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	136 ± 6.6	82 ± 3.8	185 ± 2.6	89 ± 5.0	175 ± 3.3
3.3		79 ± 1.5			
10.0		78 ± 3.5			
33.0	101 ± 2.0	73 ± 1.5			
100.0	44 ± 33.8	Toxic	165 ± 2.3	83 ± 7.8	143 ± 2.2
333.0	8 ± 1.3	Toxic	157 ± 15.7	65 ± 4.0	172 ± 7.2
1000.0	0 ± 0.0		129 ± 10.6	83 ± 2.4	155 ± 11.1
3333.0	0 ± 0.3[p]		141 ± 2.7[p]	77 ± 1.2[p]	152 ± 6.9[p]
10000.0			129 ± 9.1[p]	76 ± 1.5[p]	134 ± 5.9[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			850 ± 21.5	1036 ± 31.7	1750 ± 141.8
Positive Control[3]	525 ± 30.8	501 ± 37.6			

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	84 ± 6.9
3.3	
10.0	
33.0	
100.0	86 ± 11.7
333.0	76 ± 1.3
1000.0	80 ± 2.6
3333.0	89 ± 3.2[p]
10000.0	67 ± 2.0[p]
Trial Summary	Negative
Positive Control[2]	960 ± 108.7
Positive Control[3]	

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 3.5	6 ± 0.3	19 ± 0.9	7 ± 2.0	21 ± 3.3
3.3		7 ± 1.2			
10.0		7 ± 2.1			
33.0	10 ± 1.5	5 ± 1.9			
100.0	10 ± 1.2	Toxic	18 ± 1.2	8 ± 0.7	22 ± 3.5
333.0	7 ± 1.2	Toxic	19 ± 2.9	9 ± 0.7	19 ± 3.6
1000.0	Toxic		18 ± 3.5	7 ± 1.2	14 ± 2.1
3333.0	Toxic		12 ± 2.7[p]	7 ± 0.3[p]	12 ± 0.9[p]
10000.0			5 ± 1.5[p]	6 ± 0.6[p]	10 ± 0.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			108 ± 6.7	69 ± 12.9	151 ± 18.9
Positive Control[3]	956 ± 42.3	318 ± 47.4			

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.7
3.3	
10.0	
33.0	
100.0	5 ± 0.3
333.0	8 ± 0.3
1000.0	6 ± 0.9
3333.0	8 ± 0.3[p]
10000.0	5 ± 0.7[p]
Trial Summary	Negative
Positive Control[2]	61 ± 9.3
Positive Control[3]	

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.7	2 ± 0.9	15 ± 1.5	6 ± 1.0	16 ± 2.3
3.3		3 ± 0.3			
10.0		2 ± 0.9			
33.0	4 ± 1.2	2 ± 0.3			
100.0	3 ± 1.0	1 ± 1.3	14 ± 1.8	5 ± 1.2	13 ± 2.6
333.0	1 ± 0.3	5 ± 1.2	14 ± 2.9	4 ± 2.0	13 ± 3.0
1000.0	0 ± 0.0		12 ± 0.3	5 ± 1.3	12 ± 0.9
3333.0	0 ± 0.0[p]		10 ± 2.2[p]	6 ± 1.0[p]	10 ± 1.2[p]
10000.0			9 ± 1.2[p]	3 ± 0.3[p]	6 ± 1.8[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			77 ± 5.0	100 ± 4.4	278 ± 51.6
Positive Control[4]	330 ± 56.5	79 ± 12.0			

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2
3.3	
10.0	
33.0	
100.0	5 ± 0.6
333.0	5 ± 0.7
1000.0	3 ± 1.9
3333.0	2 ± 0.9[p]
10000.0	2 ± 0.6[p]
Trial Summary	Negative
Positive Control[2]	113 ± 22.6
Positive Control[4]	

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 4.2	11 ± 0.6	18 ± 2.5	15 ± 2.4	22 ± 1.9
1.0		10 ± 1.7			
3.3		15 ± 2.3			
10.0		10 ± 1.9			
33.0	12 ± 4.1	8 ± 1.2			
100.0	10 ± 0.0	8 ± 0.6	16 ± 0.3	15 ± 1.9	19 ± 1.2
333.0	Toxic		19 ± 1.5	14 ± 0.9	15 ± 1.2
1000.0	Toxic		19 ± 1.5	18 ± 1.2	20 ± 3.2
3333.0	Toxic		24 ± 1.0[p]	12 ± 2.3[p]	19 ± 1.2[p]
10000.0			19 ± 5.0[p]	13 ± 1.2[p]	16 ± 2.8[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			457 ± 34.6	714 ± 46.8	1702 ± 82.0
Positive Control[5]	185 ± 19.9	225 ± 19.7			

Experiment Number: **148785**

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

G06: Ames Summary Data

Test Compound: **(2-Dodecenyl)succinic anhydride**

CAS Number: **19780-11-1**

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

Time Report Requested: **14:28:32**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	18 ± 2.0
1.0	
3.3	
10.0	
33.0	
100.0	16 ± 1.2
333.0	16 ± 2.1
1000.0	14 ± 1.8
3333.0	15 ± 2.8[p]
10000.0	14 ± 0.9[p]
Trial Summary	Negative
Positive Control[2]	1748 ± 79.9
Positive Control[5]	

LEGEND

Values given as Mean or Mean ± 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: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **