NTP Study Number:	816857
Study Result:	Negative

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	97 ± 5.8	99 ± 5.8	79 ± 4.5	130 ± 10.5	145 ± 9.4
10.0		107 ± 2.9	86 ± 4.8		
33.0	90 ± 5.7	113 ± 12.9	77 ± 0.9	144 ± 11.4	163 ± 3.2
100.0	97 ± 6.2	98 ± 2.9	92 ± 3.2	107 ± 12.5	159 ± 3.2
333.0	94 ± 1.5	101 ± 4.8[p]	115 ± 12.3[p]	129 ± 20.3	153 ± 14.4
1000.0	Toxic	102 ± 2.3[p]	76 ± 9.0[p]	97 ± 6.7[p]	171 ± 7.2[p]
3333.0	Toxic			40 ± 10.1[p]	164 ± 4.1[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				1675 ± 99.1	2130 ± 266.4
Positive Control[3]	1417 ± 47.1	1803 ± 141.5	1377 ± 49.7		

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	144 ± 11.5	177 ± 5.8
10.0		
33.0	137 ± 7.5	217 ± 24.1
100.0	122 ± 7.8	171 ± 13.2
333.0	133 ± 11.1	158 ± 7.8
1000.0	101 ± 3.4[p]	166 ± 4.7[p]
3333.0	35 ± 7.7[p]	171 ± 19.5[p]
Trial Summary	Negative	Negative
Positive Control[2]	1987 ± 60.5	2314 ± 14.0
Positive Control[3]		

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 1.2	22 ± 0.9	11 ± 0.7	19 ± 3.5	16 ± 0.9
33.0	11 ± 2.3	16 ± 0.9	10 ± 2.0	15 ± 2.7	16 ± 2.6
100.0	8 ± 1.5	17 ± 0.7	8 ± 0.3	16 ± 3.4	11 ± 1.2
333.0	4 ± 1.2	16 ± 1.2	11 ± 1.5	13 ± 1.0	7 ± 2.1
1000.0	6 ± 2.4[p]	10 ± 1.8[p]	8 ± 1.9[p]	15 ± 2.2[p]	4 ± 1.5[p]
3333.0	2 ± 0.9[p]	9 ± 1.5[p]	5 ± 0.6[p]	13 ± 1.5[p]	4 ± 1.0[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			115 ± 13.2	392 ± 24.1	145 ± 9.7
Positive Control[3]	319 ± 66.5	1405 ± 64.6			

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	14 ± 1.8
33.0	16 ± 0.7
100.0	17 ± 2.2
333.0	15 ± 2.5
1000.0	16 ± 2.6[p]
3333.0	11 ± 1.9[p]
Trial Summary	Negative
Positive Control[4]	421 ± 15.5
Positive Control[3]	

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	8 ± 1.2	10 ± 2.0	7 ± 0.9	14 ± 0.7	19 ± 2.0
3.3		10 ± 0.9	4 ± 0.0		
10.0		12 ± 2.0	4 ± 1.2		
33.0	7 ± 0.9	10 ± 0.7	3 ± 0.7	10 ± 1.5	20 ± 1.9
100.0	9 ± 2.7	13 ± 1.0	4 ± 0.5	9 ± 1.5	18 ± 2.6
333.0	8 ± 2.0	Toxic	Toxic	9 ± 0.7	20 ± 2.3
1000.0	Toxic			5 ± 0.9[p]	23 ± 3.1[p]
3333.0	Toxic			2 ± 0.6[p]	18 ± 1.2[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]				323 ± 44.3	66 ± 11.8
Positive Control[5]	228 ± 35.3	879 ± 94.1	978 ± 171.5		

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	18 ± 0.9	19 ± 1.5
3.3		
10.0		
33.0	14 ± 0.3	15 ± 1.0
100.0	16 ± 0.9	23 ± 3.2
333.0	11 ± 1.2	19 ± 1.7
1000.0	3 ± 1.9[p]	20 ± 5.0[p]
3333.0	1 ± 0.3[p]	16 ± 1.7[p]
Trial Summary	Negative	Negative
Positive Control[4]	335 ± 42.9	213 ± 11.7
Positive Control[5]		

Experiment Number: **816857**

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

G06: Ames Summary Data

Test Compound: **Laurylethanolamide**

CAS Number: **142-78-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **14:22:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 1.2	28 ± 2.8	16 ± 2.0	37 ± 12.3	28 ± 1.2
33.0	16 ± 3.2	28 ± 1.2	26 ± 1.3	39 ± 2.4	23 ± 2.1
100.0	17 ± 2.3	32 ± 1.9	30 ± 0.3	40 ± 4.2	25 ± 2.6
333.0	14 ± 2.6	29 ± 3.1	26 ± 1.5	32 ± 2.5	26 ± 3.2
1000.0	15 ± 0.9[p]	28 ± 2.9[p]	24 ± 1.5[p]	35 ± 3.3[p]	21 ± 3.2[p]
3333.0	3 ± 1.2[p]	24 ± 2.7[p]	16 ± 1.5[p]	29 ± 2.1[p]	16 ± 3.8[p]
Trial Summary	Negative	Negative	Weakly Positive	Negative	Negative
Positive Control[2]			1837 ± 135.5	2017 ± 315.7	1484 ± 80.3
Positive Control[6]	535 ± 50.4	535 ± 16.8			

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	42 ± 9.0
33.0	32 ± 5.8
100.0	39 ± 1.5
333.0	41 ± 2.4
1000.0	30 ± 3.1[p]
3333.0	30 ± 1.8[p]
Trial Summary	Negative
Positive Control[2]	1638 ± 74.5
Positive Control[6]	

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: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **