Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

NTP Study Number: 879036

Study Result: Negative

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	156 ± 4.5	140 ± 8.3	163 ± 7.6	124 ± 8.8	163 ± 4.0
10.0	168 ± 3.5	139 ± 4.5			
33.0	185 ± 6.6	124 ± 3.8		95 ± 6.8	
100.0	174 ± 1.5	132 ± 6.2	156 ± 6.8	126 ± 15.5	173 ± 9.0
333.0	172 ± 10.2	161 ± 9.4	158 ± 3.1	116 ± 3.8	156 ± 6.8
900.0		Toxic			
1000.0	158 ± 9.3[s]		160 ± 4.4	121 ± 9.6	148 ± 4.1
3000.0				81 ± 8.0[s]	
3333.0			138 ± 6.5[s]		168 ± 3.4[s]
10000.0			Toxic		173 ± 14.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1111 ± 55.7
Positive Control[3]			1483 ± 57.7	1811 ± 38.4	
Positive Control[4]	2037 ± 40.8	1700 ± 6.4			

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	104 ± 14.5
10.0	
33.0	105 ± 6.1
100.0	106 ± 6.9
333.0	100 ± 3.5
900.0	
1000.0	123 ± 10.0
3000.0	
3333.0	97 ± 4.8[s]
10000.0	
Trial Summary	Negative
Positive Control[2]	1430 ± 27.9
Positive Control[3]	
Positive Control[4]	

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 4.0	37 ± 1.0	10 ± 2.3	14 ± 2.2	9 ± 1.7
10.0	11 ± 1.7	35 ± 2.1			
33.0	12 ± 0.9	44 ± 1.7		13 ± 1.5	
100.0	9 ± 0.6	36 ± 4.4	7 ± 0.7	14 ± 1.8	10 ± 0.9
333.0	13 ± 2.6	45 ± 5.0	9 ± 1.3	7 ± 1.5	8 ± 3.2
900.0		28 ± 9.6[s]			
1000.0	Toxic		9 ± 0.9	14 ± 2.0	10 ± 0.3
3000.0				6 ± 1.5[s]	
3333.0			Toxic		5 ± 1.7[s]
10000.0			Toxic		8 ± 2.2[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					108 ± 13.3
Positive Control[3]			122 ± 11.8	259 ± 6.7	
Positive Control[4]	1269 ± 39.8	1387 ± 25.8			

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	15 ± 1.2
10.0	
33.0	17 ± 3.2
100.0	12 ± 2.2
333.0	15 ± 5.7
900.0	
1000.0	10 ± 1.5
3000.0	
3333.0	7 ± 1.2[s]
10000.0	
Trial Summary	Negative
Positive Control[2]	253 ± 7.4
Positive Control[3]	
Positive Control[4]	

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.7	11 ± 1.2	10 ± 2.0	11 ± 1.2	12 ± 1.5
10.0	6 ± 1.5	10 ± 0.9			
33.0	7 ± 1.9	7 ± 1.5		9 ± 2.4	
100.0	6 ± 2.0	8 ± 0.9	6 ± 2.0	8 ± 1.2	7 ± 1.2
333.0	5 ± 1.5	11 ± 0.9	7 ± 1.2	9 ± 0.9	11 ± 1.9
900.0		5 ± 1.5[s]			
1000.0	Toxic		9 ± 1.3	8 ± 0.3	8 ± 1.9
3000.0				10 ± 2.0[s]	
3333.0			Toxic		5 ± 1.8[s]
10000.0			Toxic		9 ± 2.1[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					89 ± 7.3
Positive Control[3]			127 ± 20.0	195 ± 5.7	
Positive Control[5]	790 ± 28.2	249 ± 19.5			

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	13 ± 1.5
10.0	
33.0	11 ± 2.1
100.0	12 ± 2.9
333.0	13 ± 1.2
900.0	
1000.0	15 ± 2.5
3000.0	
3333.0	12 ± 2.3[s]
10000.0	
Trial Summary	Negative
Positive Control[2]	141 ± 7.1
Positive Control[3]	
Positive Control[5]	

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 1.0	19 ± 0.6	30 ± 4.5	29 ± 2.3	33 ± 1.5
10.0	16 ± 1.9	20 ± 2.6			
33.0	14 ± 2.3	17 ± 0.9		34 ± 4.6	
100.0	20 ± 1.3	19 ± 3.3	31 ± 7.4	39 ± 4.9	27 ± 2.3
333.0	14 ± 2.1	16 ± 2.6	28 ± 2.5	33 ± 5.2	29 ± 2.8
900.0		20 ± 2.1			
1000.0	16 ± 1.8		28 ± 2.0	37 ± 0.7	29 ± 6.2
3000.0				25 ± 2.6[s]	
3333.0			Toxic		30 ± 2.7[s]
10000.0			12 ± 2.5[s]		34 ± 4.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					550 ± 7.7
Positive Control[3]			950 ± 59.6	1271 ± 28.7	
Positive Control[6]	1420 ± 15.2	1369 ± 35.9			

Experiment Number: **879036**

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

G06: Ames Summary Data

Test Compound: **Piperonyl acetate**

CAS Number: **326-61-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:08:12**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	35 ± 3.3
10.0	
33.0	33 ± 1.8
100.0	29 ± 5.0
333.0	36 ± 2.9
900.0	
1000.0	35 ± 6.0
3000.0	
3333.0	37 ± 0.6[s]
10000.0	
Trial Summary	Negative
Positive Control[2]	1070 ± 19.1
Positive Control[3]	
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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **