Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

NTP Study Number: 585564

Study Result: Negative

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	92 ± 3.8	143 ± 4.3	135 ± 5.0	136 ± 12.8	126 ± 18.4
0.1	105 ± 12.8	136 ± 7.1			
0.3	103 ± 6.1	129 ± 7.2			
1.0	99 ± 3.2	129 ± 10.7			
3.0	96 ± 6.2	135 ± 10.4	138 ± 10.3	166 ± 11.8	120 ± 9.6
6.0		88 ± 11.9[s]			
10.0	0 ± 0.0[s]		131 ± 15.6	159 ± 11.1	130 ± 17.5
33.0			125 ± 0.3	147 ± 3.5	122 ± 7.0
100.0			121 ± 4.1	144 ± 4.4	98 ± 12.5
166.0				130 ± 10.4	
333.0			98 ± 5.8[s]		31 ± 2.5[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			486 ± 10.2	303 ± 16.6	1344 ± 103.2
Positive Control[3]	455 ± 47.7	549 ± 26.5			

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	122 ± 7.8
0.1	
0.3	
1.0	
3.0	128 ± 9.6
6.0	
10.0	147 ± 12.0
33.0	137 ± 4.8
100.0	125 ± 5.9
166.0	126 ± 6.2
333.0	
Trial Summary	Negative
Positive Control[2]	538 ± 42.5
Positive Control[3]	

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	27 ± 5.5	26 ± 1.2	11 ± 2.3	20 ± 2.3	7 ± 0.6
0.1	25 ± 3.5	29 ± 2.6			
0.3	25 ± 2.6	30 ± 3.5			
1.0	24 ± 3.3	34 ± 2.3			
3.0	22 ± 2.6	31 ± 1.2	7 ± 0.9	22 ± 1.5	10 ± 2.8
6.0		35 ± 1.8			
10.0	2 ± 0.9[s]		9 ± 2.0	23 ± 2.3	16 ± 1.2
33.0			10 ± 1.9	16 ± 1.2	11 ± 1.2
100.0			12 ± 2.1	14 ± 1.7	14 ± 2.4
166.0				13 ± 1.3	
333.0			5 ± 2.0[s]		4 ± 0.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	332 ± 18.8	553 ± 19.8			
Positive Control[4]			158 ± 13.1	239 ± 7.2	448 ± 20.8

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	11 ± 0.7
0.1	
0.3	
1.0	
3.0	15 ± 1.3
6.0	
10.0	15 ± 1.3
33.0	15 ± 4.8
100.0	11 ± 1.9
166.0	18 ± 1.9
333.0	
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	525 ± 8.8

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	102 ± 2.1	127 ± 3.5	162 ± 8.7	192 ± 2.4	129 ± 5.6
0.1	98 ± 0.7	144 ± 8.4			
0.3	124 ± 0.9	139 ± 7.0			
1.0	104 ± 2.7	141 ± 8.4			
3.0	97 ± 7.0	149 ± 4.7	144 ± 2.9	192 ± 7.1	155 ± 5.7
6.0		81 ± 4.7[s]			
10.0	41 ± 7.8[s]		149 ± 0.3	186 ± 10.0	158 ± 9.0
33.0			137 ± 1.2	192 ± 3.3	151 ± 1.8
100.0			113 ± 9.0	192 ± 6.6	129 ± 7.5
166.0				183 ± 6.2	
333.0			88 ± 13.3[s]		65 ± 6.8[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			958 ± 38.2	441 ± 11.1	1519 ± 14.7
Positive Control[5]	1229 ± 27.9	998 ± 57.7			

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	166 ± 13.7
0.1	
0.3	
1.0	
3.0	159 ± 9.2
6.0	
10.0	166 ± 9.8
33.0	161 ± 11.1
100.0	156 ± 11.3
166.0	144 ± 13.5
333.0	
Trial Summary	Negative
Positive Control[4]	1099 ± 12.9
Positive Control[5]	

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 4.5	23 ± 2.9	35 ± 4.7	48 ± 3.2	41 ± 4.3
0.1	22 ± 2.8	20 ± 2.2			
0.3	26 ± 5.5	27 ± 0.6			
1.0	18 ± 3.6	20 ± 3.4			
3.0	15 ± 0.7	17 ± 0.7	40 ± 3.5	47 ± 3.9	40 ± 7.7
6.0		21 ± 2.0			
10.0	10 ± 1.0[s]		38 ± 1.0	49 ± 3.0	37 ± 3.4
33.0			31 ± 3.8	50 ± 4.0	37 ± 0.9
100.0			26 ± 0.9	33 ± 1.8	30 ± 3.9
166.0				42 ± 5.5	
333.0			21 ± 2.4[s]		10 ± 2.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			297 ± 21.7	184 ± 10.2	1367 ± 25.7
Positive Control[6]	1437 ± 25.8	1372 ± 46.2			

Experiment Number: **585564**

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

G06: Ames Summary Data

Test Compound: **N-Phenyl-2-naphthylamine**

CAS Number: **135-88-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **12:19:48**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	32 ± 4.1
0.1	
0.3	
1.0	
3.0	33 ± 2.4
6.0	
10.0	44 ± 7.0
33.0	40 ± 2.7
100.0	32 ± 6.1
166.0	28 ± 1.9
333.0	
Trial Summary	Negative
Positive Control[2]	358 ± 30.7
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: 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 **