Experiment Number: **346082**

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

G06: Ames Summary Data

Test Compound: **N-N-Diethyl-4-Nitrobenzenamine**

CAS Number: **2216-15-1**

Date Report Requested: **09/13/2018**

Time Report Requested: **15:01:27**

NTP Study Number: 346082

Study Result: Positive

Experiment Number: **346082**

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

G06: Ames Summary Data

Test Compound: **N-N-Diethyl-4-Nitrobenzenamine**

CAS Number: **2216-15-1**

Date Report Requested: **09/13/2018**

Time Report Requested: **15:01:27**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	130 ± 5.2	106 ± 15.3	133 ± 6.1	131 ± 4.9
1.0	107 ± 2.0			
3.3	117 ± 3.0			
10.0	123 ± 9.0	108 ± 8.7		
33.0	99 ± 6.8	97 ± 2.0	146 ± 2.3	114 ± 13.1
100.0	97 ± 12.9	80 ± 0.3	153 ± 1.2	141 ± 3.8
333.0		64 ± 7.0	166 ± 1.8[p]	157 ± 2.4
1000.0		12 ± 2.6[x]	144 ± 7.4[p]	172 ± 4.2[p]
3333.0			4 ± 1.2[x]	12 ± 3.4[p]
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control[2]	574 ± 7.3	656 ± 49.1		
Positive Control[3]				437 ± 12.4
Positive Control[4]			556 ± 36.9	

Experiment Number: **346082**

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

G06: Ames Summary Data

Test Compound: **N-N-Diethyl-4-Nitrobenzenamine**

CAS Number: **2216-15-1**

Date Report Requested: **09/13/2018**

Time Report Requested: **15:01:27**

Strain: TA1538

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	7 ± 1.9	13 ± 2.7
100.0	31 ± 3.8	31 ± 0.3
333.0	49 ± 2.0	51 ± 2.0
500.0	67 ± 5.0	66 ± 10.7
1000.0	51 ± 10.9[p]	62 ± 8.4
1500.0	63 ± 3.8[p]	75 ± 8.4
Trial Summary	Positive	Positive
Positive Control[3]	695 ± 18.4	738 ± 20.6

Experiment Number: **346082**

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

G06: Ames Summary Data

Test Compound: **N-N-Diethyl-4-Nitrobenzenamine**

CAS Number: **2216-15-1**

Date Report Requested: **09/13/2018**

Time Report Requested: **15:01:27**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	11 ± 2.0	13 ± 1.7	25 ± 1.8	26 ± 3.6	26 ± 4.1
1.0	16 ± 2.6				
3.3	14 ± 3.5				
10.0	14 ± 1.0	17 ± 3.0			
33.0	15 ± 1.3	13 ± 2.2	18 ± 0.9	27 ± 1.5	33 ± 2.7
100.0	16 ± 1.0	10 ± 0.9	30 ± 2.1	32 ± 1.2	37 ± 7.5
333.0		8 ± 1.3	43 ± 0.9	30 ± 2.3	52 ± 2.0
500.0					
1000.0		5 ± 1.2[x]	56 ± 3.8[p]	23 ± 5.3[p]	47 ± 3.8[p]
1500.0					
2000.0				5 ± 2.6[p]	
3333.0			2 ± 0.7[p]		2 ± 0.3[p]
Trial Summary	Negative	Negative	Positive	Negative	Positive
Positive Control[3]			226 ± 7.8	279 ± 6.7	444 ± 22.8
Positive Control[5]	291 ± 6.1				
Positive Control[6]		235 ± 3.5			

Experiment Number: **346082**

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

G06: Ames Summary Data

Test Compound: **N-N-Diethyl-4-Nitrobenzenamine**

CAS Number: **2216-15-1**

Date Report Requested: **09/13/2018**

Time Report Requested: **15:01:27**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	24 ± 2.4	19 ± 2.4
1.0		
3.3		
10.0		
33.0		
100.0	35 ± 2.5	32 ± 3.2
333.0	64 ± 5.8	48 ± 2.4
500.0	72 ± 4.0	66 ± 5.2
1000.0	92 ± 4.0[p]	65 ± 1.9
1500.0	79 ± 7.2[p]	78 ± 8.7[p]
2000.0		
3333.0		
Trial Summary	Positive	Positive
Positive Control[3]	214 ± 13.5	472 ± 17.5
Positive Control[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: 0.5 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
6: 1.0 ug/Plate 2-Nitrofluorene
p: Precipitate
x: Slight Toxicity and Precipitate

** END OF REPORT **