Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

NTP Study Number: 762656

Study Result: Negative

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	131 ± 3.2	143 ± 15.8	162 ± 7.0	156 ± 12.3	141 ± 6.8
1.0		145 ± 7.5			
3.0	131 ± 4.2	150 ± 5.2	155 ± 6.9		157 ± 14.4
10.0	139 ± 5.8	143 ± 4.0	177 ± 5.8	161 ± 8.6	168 ± 10.3
33.0	124 ± 12.9	155 ± 7.4	165 ± 18.8	150 ± 3.6	173 ± 8.1
100.0	122 ± 10.5	140 ± 7.0	148 ± 3.1	139 ± 21.4	161 ± 10.5
166.0	48 ± 4.2[s]				
333.0			137 ± 15.1	128 ± 1.0	145 ± 4.3
666.0				25 ± 10.5[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					658 ± 30.9
Positive Control[3]			486 ± 16.3		
Positive Control[4]	387 ± 18.1	465 ± 18.0			
Positive Control[5]				642 ± 24.7	

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	124 ± 4.6
1.0	
3.0	
10.0	157 ± 2.5
33.0	164 ± 6.1
100.0	173 ± 7.2
166.0	
333.0	149 ± 7.0
666.0	67 ± 9.7[s]
Trial Summary	Equivocal
Positive Control[2]	
Positive Control[3]	682 ± 22.2
Positive Control[4]	
Positive Control[5]	

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	23 ± 3.1	23 ± 2.8	9 ± 1.3	18 ± 3.8	14 ± 2.4
1.0		17 ± 2.0			
3.0	27 ± 4.9	15 ± 0.6	8 ± 1.5		8 ± 0.3
10.0	19 ± 1.2	18 ± 0.7	5 ± 0.9	15 ± 2.7	9 ± 0.9
33.0	19 ± 1.8	15 ± 0.3	7 ± 1.7	18 ± 3.1	9 ± 2.0
100.0	19 ± 2.6	14 ± 1.7	8 ± 0.3	17 ± 3.8	12 ± 1.7
166.0	8 ± 1.2[s]				
333.0			3 ± 0.0	20 ± 3.2	6 ± 0.6
666.0				3 ± 1.0[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					174 ± 7.7
Positive Control[4]	269 ± 9.3	439 ± 8.6			
Positive Control[5]			102 ± 2.2		
Positive Control[6]				205 ± 25.8	

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	18 ± 0.7
1.0	
3.0	
10.0	13 ± 0.0
33.0	10 ± 2.4
100.0	10 ± 0.9
166.0	
333.0	14 ± 3.2
666.0	7 ± 2.6
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	536 ± 33.0
Positive Control[6]	

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	7 ± 1.9	14 ± 1.0	13 ± 2.1
3.0	9 ± 2.6		
10.0	12 ± 0.6	14 ± 1.2	12 ± 2.0
33.0	7 ± 0.3	14 ± 1.2	15 ± 2.0
100.0	7 ± 0.9	14 ± 1.9	12 ± 0.3
166.0	7 ± 1.8[s]		
333.0		6 ± 1.5	10 ± 2.7
666.0		5 ± 2.6[s]	17 ± 1.5[s]
Trial Summary	Negative	Negative	Negative
Positive Control[3]			46 ± 3.0
Positive Control[5]		57 ± 3.5	
Positive Control[7]	550 ± 13.2		

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	148 ± 8.2	138 ± 12.6	129 ± 9.8	191 ± 4.2	170 ± 16.2
1.0		150 ± 4.9			
3.0	157 ± 2.8	175 ± 0.3	150 ± 13.3		189 ± 5.2
10.0	158 ± 7.8	181 ± 6.6	163 ± 2.2	214 ± 4.9	188 ± 11.5
33.0	159 ± 13.1	167 ± 4.5	161 ± 5.6	170 ± 10.7	203 ± 6.0
100.0	169 ± 9.2	131 ± 4.0	131 ± 13.1	183 ± 16.6	191 ± 3.5
166.0	129 ± 3.8				
333.0			88 ± 5.8	172 ± 14.8	136 ± 11.7
666.0				122 ± 18.4	
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control[2]					343 ± 12.8
Positive Control[3]			316 ± 2.6		
Positive Control[5]				411 ± 9.3	
Positive Control[7]	487 ± 27.2	358 ± 11.5			

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	117 ± 2.1
1.0	
3.0	
10.0	115 ± 19.4
33.0	103 ± 7.4
100.0	138 ± 33.2
166.0	
333.0	129 ± 15.2
666.0	32 ± 10.3
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	334 ± 13.3
Positive Control[5]	
Positive Control[7]	

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 2.3	16 ± 2.2	32 ± 3.2	35 ± 3.0	34 ± 4.5
1.0		16 ± 5.1			
3.0	17 ± 0.7	19 ± 2.9	31 ± 1.2		28 ± 1.8
10.0	17 ± 0.7	24 ± 4.6	33 ± 5.2	34 ± 6.9	32 ± 2.3
33.0	20 ± 2.6	14 ± 1.2	35 ± 7.2	37 ± 5.3	31 ± 2.7
100.0	18 ± 1.2	15 ± 2.2	26 ± 0.7	36 ± 3.8	23 ± 4.2
166.0	5 ± 2.9[s]				
333.0			14 ± 1.7	18 ± 0.9	16 ± 3.5
666.0				7 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					434 ± 11.9
Positive Control[3]			280 ± 23.7	103 ± 1.0	
Positive Control[8]	536 ± 11.0	442 ± 7.2			

Experiment Number: **762656**

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

G06: Ames Summary Data

Test Compound: **5-Diethylamino-2-nitrosophenol hydrochloride**

CAS Number: **25953-06-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **16:13:09**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	30 ± 1.2
1.0	
3.0	
10.0	28 ± 2.4
33.0	30 ± 3.0
100.0	38 ± 3.2
166.0	
333.0	24 ± 3.0
666.0	6 ± 1.0
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	336 ± 23.9
Positive Control[8]	

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 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **