Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

NTP Study Number: 027486

Study Result: Positive

Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	88 ± 5.0	117 ± 6.1	183 ± 13.4	151 ± 22.7	160 ± 10.1
10.0		150 ± 9.0		220 ± 15.9	
33.0	169 ± 8.0	199 ± 9.7	346 ± 30.2	277 ± 12.3	337 ± 25.5
100.0	248 ± 19.9	285 ± 29.7	466 ± 26.0	406 ± 11.9	410 ± 12.3
333.0	563 ± 64.3	610 ± 34.8	548 ± 46.7	896 ± 26.0	678 ± 7.8
1000.0	985 ± 28.9	1043 ± 21.6	571 ± 36.8	1123 ± 7.0	577 ± 108.7
3333.0	3 ± 0.9		120 ± 78.5		305 ± 256.3
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]			641 ± 39.1	644 ± 49.9	1364 ± 331.2
Positive Control[3]	535 ± 38.8	591 ± 35.7			

Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	202 ± 2.6
10.0	267 ± 4.6
33.0	366 ± 21.1
100.0	537 ± 26.4
333.0	977 ± 34.9
1000.0	1024 ± 15.8
3333.0	
Trial Summary	Positive
Positive Control[2]	2110 ± 10.7
Positive Control[3]	

Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	3 ± 0.3	7 ± 2.2	5 ± 0.3	16 ± 1.9	6 ± 1.2
3.3				25 ± 2.7	
10.0		22 ± 1.8		52 ± 2.0	
33.0	32 ± 2.8	35 ± 1.2	14 ± 2.1	85 ± 5.5	43 ± 16.9
100.0	42 ± 4.0	86 ± 14.5	25 ± 2.4	183 ± 12.7	32 ± 14.3
333.0	55 ± 2.3	330 ± 31.2	34 ± 13.9	588 ± 69.1	13 ± 2.7
1000.0	35 ± 15.1	504 ± 46.2	1 ± 0.3		0 ± 0.3
3333.0	0 ± 0.0		3 ± 2.7		0 ± 0.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]			27 ± 0.7	75 ± 6.5	57 ± 13.2
Positive Control[3]	600 ± 20.0	965 ± 46.4			

Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	32 ± 4.3
3.3	58 ± 3.5
10.0	81 ± 3.5
33.0	129 ± 2.9
100.0	239 ± 3.0
333.0	785 ± 28.4
1000.0	
3333.0	
Trial Summary	Positive
Positive Control[2]	199 ± 17.5
Positive Control[3]	

Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 1.5	4 ± 1.2	7 ± 1.5
33.0	4 ± 0.9	5 ± 1.9	12 ± 1.9
100.0	8 ± 1.5	7 ± 2.4	8 ± 1.5
333.0	7 ± 1.2	9 ± 1.2	13 ± 3.2
1000.0	7 ± 1.2	9 ± 2.1	12 ± 1.5
3333.0	5 ± 1.5	3 ± 2.7	2 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control[2]		55 ± 3.5	142 ± 8.0
Positive Control[4]	387 ± 210.7		

Experiment Number: **027486**

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

G06: Ames Summary Data

Test Compound: **4-Nitroanthranilic acid**

CAS Number: **619-17-0**

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

Time Report Requested: **13:42:42**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	12 ± 2.7	21 ± 1.2	18 ± 3.3
33.0	14 ± 6.5	22 ± 0.6	18 ± 0.7
100.0	13 ± 0.6	23 ± 3.8	23 ± 5.5
333.0	22 ± 3.9	28 ± 1.2	23 ± 5.9
1000.0	12 ± 2.6	31 ± 6.1	16 ± 2.9
3333.0	4 ± 1.9	21 ± 10.5	9 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control[2]		576 ± 64.0	1719 ± 128.9
Positive Control[5]	216 ± 17.4		

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: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **