NTP Study Number: 004960

Study Result: Positive

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	140 ± 11.1	95 ± 4.0	130 ± 6.4	96 ± 4.4	108 ± 13.9
1.0		128 ± 14.7			
3.0	296 ± 22.3	309 ± 11.2		122 ± 2.9	
10.0	649 ± 19.4	339 ± 14.3	202 ± 16.7	121 ± 3.9	94 ± 4.5
33.0	1771 ± 62.9	1564 ± 60.0	451 ± 22.4	445 ± 21.5	276 ± 23.8
100.0	2397 ± 79.3	1701 ± 50.5	515 ± 23.6	471 ± 7.4	1318 ± 16.7
166.0				1848 ± 42.8	
333.0	Toxic		394 ± 16.8		1694 ± 23.4
1000.0			Toxic		Toxic
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]			893 ± 20.2	834 ± 34.7	1303 ± 26.5
Positive Control[3]	482 ± 16.8	341 ± 15.0			

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	90 ± 7.0
1.0	
3.0	108 ± 10.4
10.0	100 ± 6.7
33.0	507 ± 49.0
100.0	532 ± 49.9
166.0	1804 ± 23.0
333.0	
1000.0	
Trial Summary	Positive
Positive Control[2]	1821 ± 35.7
Positive Control[3]	

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 4.0	28 ± 2.1	11 ± 2.3	10 ± 2.1	12 ± 2.6
1.0		28 ± 1.5			
3.0	27 ± 6.9	25 ± 3.8		8 ± 0.7	
10.0	35 ± 4.4	28 ± 2.5	13 ± 0.7	9 ± 2.4	15 ± 1.2
33.0	62 ± 4.7	66 ± 9.4	15 ± 0.6	10 ± 2.7	14 ± 0.9
100.0	12 ± 8.0	74 ± 5.0	53 ± 9.6	12 ± 1.3	19 ± 3.8
166.0				76 ± 7.4	
333.0	Toxic		48 ± 15.4		35 ± 4.4
1000.0			Toxic		Toxic
Trial Summary	Positive	Positive	Positive	Equivocal	Equivocal
Positive Control[3]	334 ± 14.3	326 ± 10.7			
Positive Control[4]			275 ± 13.1	272 ± 19.3	366 ± 13.3

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.2
1.0	
3.0	12 ± 2.3
10.0	12 ± 1.8
33.0	8 ± 2.3
100.0	14 ± 1.2
166.0	45 ± 3.2
333.0	
1000.0	
Trial Summary	Equivocal
Positive Control[3]	
Positive Control[4]	535 ± 7.5

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 0.6	5 ± 1.5	8 ± 0.6	8 ± 2.5	14 ± 1.2
1.0		6 ± 0.7			
3.0	12 ± 1.5	8 ± 0.6		8 ± 2.9	
10.0	12 ± 2.1	5 ± 1.2	12 ± 4.9	7 ± 2.6	17 ± 0.9
33.0	16 ± 2.0	14 ± 3.7	20 ± 3.9	12 ± 2.3	13 ± 3.7
100.0	24 ± 3.2	19 ± 2.5	48 ± 3.0	14 ± 0.3	28 ± 2.1
166.0				27 ± 2.5	
333.0	Toxic		Toxic		36 ± 2.3
1000.0			Toxic		Toxic
Trial Summary	Equivocal	Equivocal	Positive	Positive	Positive
Positive Control[3]	148 ± 13.0				
Positive Control[4]			284 ± 15.9	215 ± 12.0	338 ± 3.9
Positive Control[5]		101 ± 8.8			

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.2
1.0	
3.0	7 ± 2.4
10.0	13 ± 4.3
33.0	8 ± 1.0
100.0	17 ± 1.7
166.0	41 ± 2.3
333.0	
1000.0	
Trial Summary	Weakly Positive
Positive Control[3]	
Positive Control[4]	328 ± 25.3
Positive Control[5]	

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 1.5	17 ± 4.6	27 ± 1.5	27 ± 4.9	38 ± 5.0
1.0		22 ± 3.3			
3.0	35 ± 3.1	30 ± 1.9		33 ± 5.5	
10.0	50 ± 5.5	19 ± 4.4	28 ± 2.0	31 ± 5.5	43 ± 6.9
33.0	138 ± 8.0	132 ± 10.5	41 ± 3.5	39 ± 6.1	46 ± 7.0
100.0	436 ± 23.3	165 ± 8.4	165 ± 11.9	41 ± 3.8	89 ± 7.2
166.0				201 ± 7.5	
333.0	Toxic		125 ± 42.2		212 ± 16.5
1000.0			Toxic		Toxic
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]			673 ± 23.2	785 ± 63.2	977 ± 39.8
Positive Control[6]		490 ± 7.8			
Positive Control[5]	767 ± 12.9				

Experiment Number: **004960**

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

G06: Ames Summary Data

Test Compound: **p-Nitrobenzoyl chloride**

CAS Number: **122-04-3**

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

Time Report Requested: **00:27:06**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	25 ± 1.9
1.0	
3.0	27 ± 3.3
10.0	27 ± 0.9
33.0	51 ± 2.5
100.0	52 ± 6.4
166.0	94 ± 17.4[s]
333.0	
1000.0	
Trial Summary	Positive
Positive Control[2]	1594 ± 28.5
Positive Control[6]	
Positive Control[5]	

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 **