Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

NTP Study Number: 005030

Study Result: Negative

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	114 ± 12.7	86 ± 5.1	145 ± 16.9	115 ± 12.5	223 ± 15.2
100.0	90 ± 9.5	88 ± 4.7	140 ± 4.7	136 ± 9.8	204 ± 4.1
333.0	99 ± 5.5	94 ± 2.5	133 ± 8.4	130 ± 9.2	206 ± 8.4
1000.0	119 ± 12.4	88 ± 2.4	137 ± 7.2	145 ± 3.8	193 ± 9.5
3333.0	93 ± 1.7	87 ± 3.2	132 ± 8.5	143 ± 12.4	145 ± 5.3
10000.0	Toxic	Toxic	163 ± 10.4	120 ± 11.8	152 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			938 ± 60.6	1186 ± 54.6	1397 ± 68.6
Positive Control[3]	1266 ± 8.3	441 ± 41.9			

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	146 ± 5.3
100.0	139 ± 3.4
333.0	138 ± 9.5
1000.0	145 ± 16.0
3333.0	135 ± 5.8
10000.0	132 ± 5.2
Trial Summary	Negative
Positive Control[2]	1955 ± 23.9
Positive Control[3]	

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.0	5 ± 1.2	12 ± 3.0	7 ± 0.6	11 ± 2.2
33.0		5 ± 2.7			
100.0	9 ± 1.0	5 ± 1.8	11 ± 2.1	8 ± 0.6	14 ± 1.9
333.0	5 ± 0.7	5 ± 0.7	12 ± 2.2	5 ± 0.9	9 ± 2.7
1000.0	8 ± 2.0	2 ± 1.9	13 ± 1.2	6 ± 1.0	7 ± 1.7
3333.0	15 ± 3.0	2 ± 1.2	19 ± 1.5	6 ± 1.2	8 ± 2.8
10000.0	5 ± 1.0	2 ± 0.5	Toxic	2 ± 0.7	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			244 ± 14.5	344 ± 29.9	252 ± 9.0
Positive Control[3]	1336 ± 37.4	532 ± 19.8			

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.3
33.0	
100.0	16 ± 0.6
333.0	10 ± 0.9
1000.0	7 ± 2.4
3333.0	7 ± 1.8
10000.0	3 ± 0.5
Trial Summary	Negative
Positive Control[4]	359 ± 64.3
Positive Control[3]	

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control[1]	9 ± 0.6	4 ± 1.2	7 ± 0.7	10 ± 2.0	6 ± 0.7
33.0		8 ± 1.0	7 ± 2.3		5 ± 0.6
100.0	6 ± 1.2	6 ± 2.5	6 ± 0.3	7 ± 0.3	5 ± 1.2
333.0	6 ± 0.9	6 ± 0.0	5 ± 1.5	11 ± 0.3	7 ± 0.6
1000.0	7 ± 0.6	2 ± 0.7	6 ± 1.5	7 ± 0.7	5 ± 2.3
3333.0	Toxic	0 ± 0.0	Toxic	5 ± 0.0	2 ± 0.6
10000.0	0 ± 0.0			0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]				460 ± 19.1	268 ± 30.4
Positive Control[5]	505 ± 191.7	264 ± 8.6	199 ± 57.9		

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 1.5	9 ± 0.9
33.0		
100.0	13 ± 2.3	10 ± 1.2
333.0	12 ± 1.3	8 ± 0.7
1000.0	14 ± 3.1	8 ± 0.9
3333.0	11 ± 2.0	5 ± 0.9
10000.0	3 ± 2.7	1 ± 0.3
Trial Summary	Negative	Negative
Positive Control[4]	169 ± 12.7	162 ± 5.2
Positive Control[5]		

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 3.1	14 ± 4.5	33 ± 6.0	25 ± 1.5	37 ± 4.9
100.0	32 ± 2.8	17 ± 1.9	42 ± 1.3	18 ± 3.2	43 ± 3.8
333.0	23 ± 2.4	18 ± 0.9	43 ± 2.7	21 ± 1.5	38 ± 3.3
1000.0	23 ± 3.2	20 ± 2.0	41 ± 4.1	18 ± 1.2	35 ± 2.3
3333.0	26 ± 3.5	7 ± 3.1	35 ± 2.5	17 ± 2.6	35 ± 2.5
10000.0	Toxic	Toxic	33 ± 1.3	5 ± 1.2	31 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			579 ± 15.9	741 ± 125.3	913 ± 43.5
Positive Control[6]	146 ± 11.6	197 ± 9.3			

Experiment Number: **005030**

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

G06: Ames Summary Data

Test Compound: **Diallylamine**

CAS Number: **124-02-7**

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

Time Report Requested: **00:30:56**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	26 ± 1.8
100.0	19 ± 1.5
333.0	22 ± 1.7
1000.0	21 ± 4.5
3333.0	15 ± 4.1
10000.0	6 ± 1.5
Trial Summary	Negative
Positive Control[2]	1421 ± 69.0
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: 95% Ethanol
2: 1.0 ug/Plate 2-Aminoanthracene
3: 3.3 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 33.0 ug/Plate 9-Aminoacridine
6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **