Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

NTP Study Number: 003043

Study Result: Negative

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	89 ± 9.0	102 ± 9.2	130 ± 12.9	149 ± 9.5	145 ± 14.5
10.0	86 ± 9.3	112 ± 6.6			
33.0	91 ± 2.4	119 ± 16.8			
100.0	112 ± 2.8	114 ± 8.7	121 ± 5.8	149 ± 5.2	151 ± 8.9
333.0	80 ± 2.4	Toxic	135 ± 2.7	174 ± 13.1	153 ± 10.7
1000.0	Toxic	Toxic	149 ± 6.1	159 ± 7.3	174 ± 8.4
3333.0			182 ± 5.2	152 ± 3.4	200 ± 12.7
10000.0			155 ± 6.1[p]	165 ± 9.8	185 ± 6.7[p]
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control[2]			1720 ± 159.3	2163 ± 122.9	2089 ± 74.7
Positive Control[3]	835 ± 35.7	930 ± 58.1			

Experiment Number: **003043**

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Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	145 ± 0.9
10.0	
33.0	
100.0	154 ± 5.1
333.0	143 ± 5.0
1000.0	147 ± 13.9
3333.0	155 ± 23.1
10000.0	174 ± 7.8
Trial Summary	Negative
Positive Control[2]	1375 ± 55.7
Positive Control[3]	

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 1.2	6 ± 1.2	7 ± 2.5	7 ± 0.6	5 ± 1.7
10.0	5 ± 1.2	4 ± 1.0			
33.0	6 ± 1.2	6 ± 0.7			
100.0	7 ± 0.3	6 ± 1.2	3 ± 0.6	3 ± 1.5	3 ± 1.0
333.0	5 ± 0.3	6 ± 0.5	7 ± 1.2	9 ± 1.2	2 ± 0.3
1000.0	Toxic	Toxic	3 ± 0.9	8 ± 2.4	9 ± 1.5
3333.0			3 ± 1.2	7 ± 2.0	9 ± 2.0
10000.0			5 ± 2.5[p]	9 ± 2.0	1 ± 0.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			48 ± 4.3	104 ± 13.0	47 ± 9.3
Positive Control[3]	395 ± 14.1	853 ± 52.7			

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.7
10.0	
33.0	
100.0	7 ± 1.8
333.0	7 ± 2.0
1000.0	8 ± 1.9
3333.0	9 ± 1.8
10000.0	4 ± 1.7
Trial Summary	Negative
Positive Control[2]	69 ± 6.8
Positive Control[3]	

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.9	6 ± 0.9	5 ± 1.2	17 ± 1.5	7 ± 1.0
3.3		7 ± 2.0			
10.0	4 ± 0.3	5 ± 0.7			
33.0	4 ± 1.2	3 ± 0.6			
100.0	5 ± 0.3	6 ± 1.0	4 ± 1.0	14 ± 1.7	8 ± 1.5
333.0	Toxic	Toxic	6 ± 1.3	13 ± 1.2	6 ± 0.3
1000.0	0 ± 0.0		7 ± 1.3	10 ± 1.7	9 ± 1.5
3333.0			12 ± 1.5	14 ± 4.4	9 ± 2.3
10000.0			9 ± 0.9[p]	14 ± 1.8	10 ± 1.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			43 ± 5.5	394 ± 97.1	30 ± 3.3
Positive Control[4]	280 ± 59.5	525 ± 33.4			

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	17 ± 3.5
3.3	
10.0	
33.0	
100.0	14 ± 1.5
333.0	17 ± 1.7
1000.0	11 ± 1.7
3333.0	11 ± 2.1
10000.0	18 ± 1.8
Trial Summary	Negative
Positive Control[2]	193 ± 16.2
Positive Control[4]	

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	19 ± 3.2	22 ± 2.2	16 ± 3.7	25 ± 2.6	16 ± 3.0
10.0	15 ± 0.9	19 ± 2.0			
33.0	17 ± 0.6	22 ± 2.1			
100.0	17 ± 3.0	19 ± 1.2	11 ± 2.6	23 ± 2.8	14 ± 0.9
333.0	18 ± 1.9	23 ± 2.7	9 ± 1.0	19 ± 3.2	18 ± 3.4
1000.0	19 ± 2.4	23 ± 2.6	15 ± 0.9	23 ± 2.3	16 ± 1.2
3333.0			26 ± 1.7	31 ± 7.1	18 ± 1.5
10000.0			22 ± 2.8[p]	29 ± 3.2	16 ± 1.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1546 ± 139.2	1585 ± 272.0	1573 ± 118.6
Positive Control[5]	342 ± 21.5	483 ± 76.5			

Experiment Number: **003043**

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

G06: Ames Summary Data

Test Compound: **Croton oil**

CAS Number: **8001-28-3**

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

Time Report Requested: **23:55:49**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	25 ± 3.3
10.0	
33.0	
100.0	28 ± 6.2
333.0	27 ± 2.5
1000.0	30 ± 2.6
3333.0	25 ± 2.3
10000.0	25 ± 2.6
Trial Summary	Negative
Positive Control[2]	1960 ± 97.2
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: 3.3 ug/Plate Sodium Azide
4: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **