NTP Study Number:	503176
Study Result:	Positive

Experiment Number: **503176**

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

G06: Ames Summary Data

Test Compound: **Glycidyl acrylate**

CAS Number: **106-90-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **05:30:09**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	112 ± 9.5	89 ± 1.9	136 ± 2.8	139 ± 7.9	125 ± 6.1
3.0		129 ± 8.7			
10.0	167 ± 18.9	159 ± 12.2		138 ± 8.1	
33.0	202 ± 26.3	275 ± 8.7	105 ± 4.9	168 ± 10.7	202 ± 18.2
100.0	318 ± 37.0	493 ± 22.2	143 ± 5.8	302 ± 11.2	349 ± 14.3
333.0	475 ± 24.3	852 ± 53.1	224 ± 22.8	596 ± 17.7	587 ± 97.8
1000.0	416 ± 67.7		553 ± 174.5	860 ± 50.2	1021 ± 144.8
3333.0			630 ± 32.1		1387 ± 187.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					776 ± 55.5
Positive Control[3]	376 ± 17.9	488 ± 28.2			
Positive Control[4]			616 ± 25.7	532 ± 30.1	

Experiment Number: **503176**

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

G06: Ames Summary Data

Test Compound: **Glycidyl acrylate**

CAS Number: **106-90-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **05:30:09**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	132 ± 9.6
3.0	
10.0	147 ± 7.5
33.0	207 ± 5.3
100.0	361 ± 18.0
333.0	678 ± 43.5
1000.0	971 ± 29.2
3333.0	
Trial Summary	Positive
Positive Control[2]	748 ± 29.1
Positive Control[3]	
Positive Control[4]	

Experiment Number: **503176**

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

G06: Ames Summary Data

Test Compound: **Glycidyl acrylate**

CAS Number: **106-90-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **05:30:09**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 0.7	16 ± 1.5	11 ± 1.5	11 ± 1.3	10 ± 1.8
3.0		40 ± 1.5			
10.0	66 ± 5.2	64 ± 1.9		19 ± 3.2	
33.0	188 ± 3.5	186 ± 6.1	40 ± 4.0	66 ± 1.0	79 ± 9.8
100.0	317 ± 52.5	410 ± 20.2	87 ± 1.5	193 ± 9.7	187 ± 19.3
333.0	534 ± 26.9	648 ± 19.9	216 ± 21.7	578 ± 12.5	417 ± 49.0
1000.0	46 ± 24.6[s]		520 ± 80.9	810 ± 48.0	977 ± 109.5
3333.0			254 ± 40.3[s]		947 ± 243.3
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[4]					264 ± 5.8
Positive Control[3]	438 ± 22.3	592 ± 4.6			
Positive Control[5]			219 ± 14.6	148 ± 5.8	

Experiment Number: **503176**

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

G06: Ames Summary Data

Test Compound: **Glycidyl acrylate**

CAS Number: **106-90-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **05:30:09**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.5
3.0	
10.0	36 ± 6.4
33.0	103 ± 2.8
100.0	271 ± 11.3
333.0	634 ± 34.9
1000.0	983 ± 39.6
3333.0	
Trial Summary	Positive
Positive Control[4]	228 ± 11.5
Positive Control[3]	
Positive Control[5]	

Experiment Number: **503176**

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

G06: Ames Summary Data

Test Compound: **Glycidyl acrylate**

CAS Number: **106-90-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **05:30:09**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	121 ± 4.5	176 ± 8.7	152 ± 10.0	198 ± 5.5	155 ± 3.8
3.0		183 ± 10.4			
10.0	157 ± 8.0	191 ± 4.7		212 ± 11.5	
33.0	211 ± 4.7	244 ± 13.9	195 ± 13.0	189 ± 6.8	171 ± 10.9
100.0	365 ± 11.2	258 ± 13.0	229 ± 15.1	228 ± 9.7	191 ± 9.5
333.0	217 ± 28.3	41 ± 29.4	343 ± 21.1	273 ± 6.7	268 ± 13.5
1000.0	1 ± 0.6[s]		598 ± 37.3	243 ± 28.8	479 ± 26.7
3333.0			38 ± 15.4[s]		259 ± 84.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]					556 ± 27.1
Positive Control[4]			483 ± 21.5	601 ± 57.1	
Positive Control[6]	935 ± 14.2	1119 ± 73.9			

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	164 ± 13.0
3.0	
10.0	158 ± 4.9
33.0	192 ± 18.0
100.0	191 ± 9.6
333.0	252 ± 15.3
1000.0	343 ± 11.6
3333.0	
Trial Summary	Positive
Positive Control[2]	623 ± 40.5
Positive Control[4]	
Positive Control[6]	

Experiment Number: **503176**

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

G06: Ames Summary Data

Test Compound: **Glycidyl acrylate**

CAS Number: **106-90-1**

Date Report Requested: **09/12/2018**

Time Report Requested: **05:30:09**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	23 ± 1.3	25 ± 1.8	31 ± 3.4
10.0	26 ± 3.2		
33.0	25 ± 0.7	17 ± 3.4	35 ± 2.6
100.0	33 ± 3.5	21 ± 9.0	23 ± 11.7
333.0	9 ± 2.8[s]	27 ± 8.4	27 ± 13.8
1000.0	0 ± 0.0[s]	20 ± 3.8	34 ± 0.9
3333.0		0 ± 0.0[s]	19 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control[2]			444 ± 12.1
Positive Control[4]		451 ± 17.9	
Positive Control[7]	749 ± 19.9		

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

** END OF REPORT **