Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

NTP Study Number: A26423

Study Result: Negative

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	105 ± 5.0	98 ± 2.5	106 ± 0.9	98 ± 5.3	113 ± 13.2
1.0		98 ± 6.4			
3.3		97 ± 4.1			
10.0		102 ± 7.1			
33.0		83 ± 10.7			
100.0	116 ± 7.2	89 ± 13.9	118 ± 11.0	93 ± 2.3	120 ± 5.8
333.0	102 ± 6.2		102 ± 34.5	77 ± 4.0	105 ± 1.2
1000.0	110 ± 7.9		121 ± 7.3	86 ± 8.4	101 ± 5.9
3333.0	63 ± 19.8[s]		107 ± 2.6	72 ± 0.3[s]	72 ± 36.3
10000.0	Toxic		10 ± 3.5[s]	93 ± 14.4[s]	11 ± 5.4[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					940 ± 6.4
Positive Control[3]	288 ± 9.2	491 ± 6.9			
Positive Control[4]			589 ± 49.3		
Positive Control[5]					
Positive Control[6]				365 ± 5.7	

Experiment Number: **A26423**

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

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Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	112 ± 3.6
1.0	
3.3	
10.0	
33.0	
100.0	112 ± 8.7
333.0	97 ± 3.2
1000.0	76 ± 4.1
3333.0	86 ± 8.2
10000.0	Toxic
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	315 ± 23.8
Positive Control[6]	

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control[1]	16 ± 2.1	12 ± 0.9	13 ± 0.7	14 ± 1.9	16 ± 2.0
1.0		9 ± 0.3		12 ± 2.6	
3.3		7 ± 0.9		9 ± 0.7	
10.0		11 ± 0.7		9 ± 0.7	
33.0		9 ± 1.9		11 ± 1.3	
100.0	15 ± 1.8	9 ± 0.6	42 ± 23.8	13 ± 2.0	17 ± 2.3
333.0	13 ± 0.7		11 ± 1.8		18 ± 0.9
1000.0	16 ± 1.8		10 ± 1.2		15 ± 1.2
3333.0	14 ± 0.3		12 ± 2.3		18 ± 2.3
10000.0	Toxic		3 ± 0.9[s]		8 ± 0.3[s]
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control[2]					
Positive Control[3]	228 ± 31.5	157 ± 23.5			
Positive Control[5]					
Positive Control[6]			146 ± 11.8	103 ± 10.7	183 ± 8.2

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	10 ± 1.5	14 ± 0.7
1.0		
3.3		
10.0		
33.0		
100.0	17 ± 0.7	15 ± 1.2
333.0	16 ± 1.5	13 ± 0.9
1000.0	13 ± 2.3	16 ± 0.7
3333.0	9 ± 2.6	16 ± 0.6
10000.0	0 ± 0.0[s]	Toxic
Trial Summary	Negative	Negative
Positive Control[2]	134 ± 7.7	
Positive Control[3]		
Positive Control[5]		132 ± 19.0
Positive Control[6]		

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	113 ± 7.7	168 ± 23.3	144 ± 2.0	159 ± 4.5	107 ± 5.5
1.0		137 ± 9.0			
3.3		152 ± 4.6			
10.0		111 ± 3.8			
33.0		112 ± 2.2			
100.0	116 ± 4.9	121 ± 4.7	148 ± 8.1	142 ± 3.6	115 ± 9.1
333.0	103 ± 5.4		143 ± 17.4	152 ± 15.8	122 ± 14.0
1000.0	97 ± 5.2		138 ± 10.7	153 ± 10.0	133 ± 6.1
3333.0	77 ± 3.3[s]		134 ± 11.5	144 ± 7.0	100 ± 7.1
10000.0	Toxic		30 ± 10.5[s]	Toxic	23 ± 13.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					1074 ± 55.2
Positive Control[6]			889 ± 41.1	605 ± 22.8	
Positive Control[7]	525 ± 27.9	578 ± 50.9			

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	169 ± 10.3
1.0	
3.3	
10.0	
33.0	
100.0	148 ± 23.6
333.0	146 ± 9.3
1000.0	117 ± 5.7
3333.0	124 ± 15.0[s]
10000.0	84 ± 4.6[s]
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	790 ± 81.3
Positive Control[7]	

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	11 ± 5.9	19 ± 3.7	17 ± 4.6	20 ± 1.8	30 ± 5.5
100.0	19 ± 2.2	20 ± 1.7	16 ± 3.5	17 ± 1.5	30 ± 4.6
333.0	18 ± 0.6	23 ± 5.7	18 ± 2.1	8 ± 5.0	23 ± 4.7
1000.0	11 ± 5.9	13 ± 1.9	11 ± 1.3	14 ± 2.1	25 ± 5.9
3333.0	10 ± 1.2[s]	11 ± 2.9	13 ± 1.8	13 ± 2.4[s]	17 ± 5.2
10000.0	Toxic	2 ± 1.0[s]	2 ± 1.7[s]	Toxic	1 ± 0.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			391 ± 83.6		956 ± 65.0
Positive Control[8]	183 ± 12.0	216 ± 22.2			
Positive Control[5]				154 ± 17.5	

Experiment Number: **A26423**

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

G06: Ames Summary Data

Test Compound: **Hexazinone**

CAS Number: **51235-04-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **14:23:38**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	26 ± 1.2
100.0	16 ± 3.0
333.0	28 ± 3.5
1000.0	19 ± 4.1
3333.0	30 ± 2.0[s]
10000.0	12 ± 0.6[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[8]	
Positive Control[5]	356 ± 30.9

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: 100% Ethanol
2: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 24.0 ug/Plate 9-Aminoacridine
8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **