

Experiment Number: 152023

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

G06: Ames Summary Data

Test Compound: **Cyclohexanone oxime**

CAS Number: **100-64-1**

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

Time Report Requested: **15:11:23**

NTP Study Number:

152023

Study Result:

Positive

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CAS Number: 100-64-1

Date Report Requested: 09/12/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	149 ± 5.0	159 ± 5.4	145 ± 4.1
10.0	145 ± 2.3		
33.0	155 ± 10.9	155 ± 20.9	176 ± 7.3
100.0	118 ± 3.1	170 ± 7.7	135 ± 4.9
333.0	135 ± 4.0	138 ± 20.6	149 ± 5.4
1000.0	115 ± 11.4	148 ± 5.2	157 ± 11.3
3333.0		122 ± 19.7	127 ± 7.5
Trial Summary	Negative	Negative	Negative
Positive Control ²			557 ± 16.2
Positive Control ³		406 ± 10.5	
Positive Control ⁴	764 ± 25.4		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9
Vehicle Control ¹	10 ± 1.7	8 ± 2.2	14 ± 2.4	8 ± 1.0	11 ± 2.2
3.0		8 ± 1.2			
10.0		7 ± 0.9			
33.0	18 ± 5.8	7 ± 0.3	10 ± 0.6		
100.0	19 ± 1.5	6 ± 1.5	10 ± 1.8		
333.0	18 ± 4.4	8 ± 1.5	12 ± 2.3	11 ± 2.2	22 ± 1.7
666.0				9 ± 1.5	33 ± 1.7
1000.0	17 ± 4.2		17 ± 1.3	10 ± 2.6	33 ± 3.3
1666.0				8 ± 2.1	37 ± 1.5
3333.0	6 ± 2.6		16 ± 2.6	3 ± 1.0	30 ± 3.4
6666.0				0 ± 0.0	1 ± 1.0 ^s
Trial Summary	Equivocal	Negative	Negative	Negative	Positive
Positive Control ²				95 ± 13.9	102 ± 7.4
Positive Control ³					
Positive Control ⁴	826 ± 29.9	1186 ± 56.2			
Positive Control ⁵			51 ± 5.6		

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 3.2	12 ± 2.2	10 ± 2.7	11 ± 0.3	10 ± 2.9
3.0					
10.0					
33.0				11 ± 1.5	
100.0		12 ± 1.2		5 ± 0.3	
333.0	8 ± 2.5	23 ± 2.3	14 ± 3.8	6 ± 0.3	9 ± 2.7
666.0	10 ± 0.7	52 ± 1.9	27 ± 3.6		10 ± 3.6
1000.0	13 ± 3.7	58 ± 5.4	48 ± 2.2	17 ± 1.0	11 ± 1.3
1666.0	11 ± 0.6	59 ± 4.5	63 ± 3.5		21 ± 5.2
3333.0	5 ± 1.0	104 ± 4.2	56 ± 7.3	31 ± 1.2	17 ± 2.5
6666.0	1 ± 0.9		0 ± 0.0 ^s		5 ± 1.2
Trial Summary	Negative	Positive	Positive	Equivocal	Equivocal
Positive Control ²	69 ± 3.5		73 ± 4.0		
Positive Control ³		63 ± 1.9		279 ± 10.5	141 ± 14.0
Positive Control ⁴					
Positive Control ⁵					

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 0.7
3.0	
10.0	
33.0	
100.0	
333.0	14 ± 1.7
666.0	25 ± 1.5
1000.0	37 ± 1.2
1666.0	53 ± 2.6
3333.0	72 ± 5.0
6666.0	9 ± 1.7 ^s
Trial Summary	Positive
Positive Control ²	
Positive Control ³	75 ± 7.0
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	118 ± 11.4	195 ± 4.0	159 ± 5.5
33.0	135 ± 8.1	208 ± 5.0	168 ± 23.4
100.0	153 ± 3.5	175 ± 5.7	158 ± 4.7
333.0	130 ± 9.5	208 ± 5.7	177 ± 12.0
1000.0	128 ± 10.7	198 ± 15.4	156 ± 4.0
3333.0	69 ± 2.4	179 ± 7.8	163 ± 11.4
Trial Summary	Negative	Negative	Negative
Positive Control ²			383 ± 11.5
Positive Control ³		357 ± 17.9	
Positive Control ⁶	350 ± 12.8		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	35 ± 2.3	49 ± 5.7	35 ± 7.5
10.0	35 ± 4.0		
33.0	40 ± 4.6	38 ± 2.7	45 ± 2.2
100.0	39 ± 6.7	37 ± 2.2	43 ± 2.9
333.0	35 ± 2.2	36 ± 2.5	37 ± 4.8
1000.0	31 ± 6.9	21 ± 2.4	55 ± 3.3
3333.0		21 ± 4.3	34 ± 7.0
Trial Summary	Negative	Negative	Negative
Positive Control ²		151 ± 19.4	435 ± 28.9
Positive Control ⁷	466 ± 19.4		

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LEGEND

Values given as Mean or Mean \pm 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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 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 ****