

Experiment Number: 505931

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

G06: Ames Summary Data

Test Compound: **N-Ethyl-N-butylamine**

CAS Number: 13360-63-9

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

Time Report Requested: **05:54:51**

NTP Study Number:

505931

Study Result:

Negative

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Test Compound: N-Ethyl-N-butylamine

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Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	139 ± 8.7	108 ± 7.9	174 ± 7.2	169 ± 16.1	197 ± 19.2
33.0	131 ± 11.7	115 ± 5.6	211 ± 8.1	167 ± 16.9	175 ± 8.4
100.0	136 ± 5.0	108 ± 9.6	205 ± 11.9	176 ± 2.2	177 ± 3.5
333.0	132 ± 8.4	110 ± 1.2	197 ± 6.1	164 ± 14.9	171 ± 13.3
1000.0	128 ± 6.0	94 ± 3.0	190 ± 5.6	158 ± 15.0	168 ± 3.4
3333.0	141 ± 4.1	102 ± 7.8	165 ± 11.6	133 ± 4.9	142 ± 8.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2061 ± 147.8	1595 ± 129.0	1416 ± 138.1
Positive Control ³	1165 ± 54.9	1226 ± 71.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	157 ± 5.7
33.0	172 ± 11.6
100.0	146 ± 2.8
333.0	159 ± 8.6
1000.0	143 ± 4.8
3333.0	121 ± 9.5
Trial Summary	Negative
Positive Control ²	1972 ± 90.9
Positive Control ³	

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Test Compound: N-Ethyl-N-butylamine

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Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 0.9	10 ± 1.9	26 ± 1.5	13 ± 2.2	28 ± 2.1
10.0		14 ± 1.8		9 ± 1.5	
33.0	19 ± 1.9	18 ± 4.7	20 ± 0.6	13 ± 2.7	32 ± 2.5
100.0	25 ± 3.8	13 ± 1.7	20 ± 2.1	14 ± 0.7	28 ± 3.2
333.0	24 ± 2.3	11 ± 0.7	23 ± 2.6	12 ± 1.3	28 ± 2.9
1000.0	17 ± 1.2	9 ± 1.5	19 ± 0.3	10 ± 1.5	27 ± 1.2
3333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			670 ± 139.1	161 ± 7.7	371 ± 29.4
Positive Control ³	1322 ± 31.2	1002 ± 81.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 0.3
10.0	22 ± 2.3
33.0	19 ± 0.9
100.0	24 ± 1.5
333.0	20 ± 2.1
1000.0	15 ± 1.3
3333.0	
Trial Summary	Negative
Positive Control ⁴	244 ± 5.9
Positive Control ³	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: N-Ethyl-N-butylamine

CAS Number: 13360-63-9

Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.5	13 ± 0.6	19 ± 0.9	16 ± 1.8	23 ± 2.8
10.0					
33.0	11 ± 0.6	10 ± 1.0	19 ± 2.0	24 ± 1.2	26 ± 2.1
100.0	15 ± 1.8	14 ± 1.9	17 ± 0.9	21 ± 0.9	24 ± 3.5
333.0	11 ± 1.9	6 ± 4.1	19 ± 1.5	18 ± 2.2	23 ± 2.3
1000.0	20 ± 1.3	10 ± 3.5	13 ± 1.5	19 ± 2.9	26 ± 0.9
3333.0	0 ± 0.3	Toxic	2 ± 0.9	2 ± 0.9	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			364 ± 31.3	634 ± 10.1	220 ± 20.1
Positive Control ⁵	363 ± 39.1	631 ± 81.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 0.9
10.0	22 ± 5.2
33.0	18 ± 2.1
100.0	22 ± 1.3
333.0	22 ± 1.5
1000.0	23 ± 4.5
3333.0	
Trial Summary	Negative
Positive Control ⁴	289 ± 14.8
Positive Control ⁵	

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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 ± 2.0	14 ± 1.2	33 ± 3.2	25 ± 2.1	34 ± 3.2
33.0	31 ± 3.2	19 ± 2.0	33 ± 2.5	25 ± 1.5	27 ± 2.6
100.0	24 ± 4.0	25 ± 2.3	32 ± 3.5	28 ± 2.3	21 ± 4.0
333.0	29 ± 3.3	25 ± 3.5	28 ± 3.7	22 ± 1.2	17 ± 2.8
1000.0	23 ± 3.8	20 ± 4.3	29 ± 4.4	25 ± 2.0	22 ± 0.6
3333.0	19 ± 4.1	26 ± 0.3	17 ± 2.6	19 ± 0.9	19 ± 5.8
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²			854 ± 139.4	1671 ± 36.3	1348 ± 172.6
Positive Control ⁶	221 ± 14.0	242 ± 17.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 3.6
33.0	29 ± 2.9
100.0	23 ± 0.6
333.0	21 ± 1.7
1000.0	28 ± 2.6
3333.0	16 ± 0.7
Trial Summary	Negative
Positive Control ²	2062 ± 65.0
Positive Control ⁶	

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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: 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 ****