

Experiment Number: **G99091**

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

G06: Ames Summary Data

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

Test Compound: **Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-Tetramethyl-2-Naphthalenyl)- (Iso-E Super; OTNE)**

Time Report Requested: **12:21:13**

CAS Number: **54464-57-2**

NTP Study Number:

G99091

Study Result:

Negative

Experiment Number: G99091

G06: Ames Summary Data

Date Report Requested: 09/16/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: Ethanone, 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8-Tetramethyl-2-Naphthalenyl)- (Iso-
E Super; OTNE)

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CAS Number: 54464-57-2

Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	92 ± 6.2	90 ± 0.6	103 ± 5.9	91 ± 11.4
100.0	72 ± 4.7	50 ± 1.3	111 ± 6.0	100 ± 5.0
350.0	60 ± 7.7	54 ± 3.5	73 ± 5.2	86 ± 8.3
1000.0	68 ± 1.5	57 ± 3.8	51 ± 5.8	61 ± 6.3
1500.0	65 ± 2.6	56 ± 6.7	52 ± 4.0	38 ± 7.9 ^s
3000.0	65 ± 4.5	51 ± 1.5	50 ± 8.1	45 ± 1.8 ^s
6000.0	58 ± 3.3	57 ± 3.8	26 ± 2.5 ^x	26 ± 5.2 ^x
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	782 ± 23.4	793 ± 22.9		
Positive Control ³			452 ± 13.3	506 ± 13.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	22 ± 1.2	16 ± 1.0	30 ± 4.3	24 ± 2.6
100.0	22 ± 4.2	15 ± 1.9	29 ± 4.5	23 ± 1.2
350.0	17 ± 7.2	20 ± 0.9	25 ± 2.7	24 ± 1.9
1000.0	13 ± 2.8	14 ± 1.7	25 ± 2.1	24 ± 1.5
1500.0	13 ± 1.2	17 ± 2.1	28 ± 4.2	23 ± 2.3
3000.0	18 ± 2.7	23 ± 1.7	23 ± 3.6	25 ± 3.6
6000.0	17 ± 2.8	22 ± 3.5	25 ± 2.0 ^P	15 ± 3.8 ^P
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1419 ± 24.5	1395 ± 25.5
Positive Control ⁵	528 ± 30.2	639 ± 32.1		

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CAS Number: 54464-57-2

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	155 ± 4.7	144 ± 4.4	197 ± 9.3	222 ± 12.9
100.0	148 ± 3.8	158 ± 5.8	241 ± 1.2	222 ± 4.5
350.0	171 ± 5.1	160 ± 14.1	206 ± 11.6	190 ± 9.4
1000.0	146 ± 4.6	143 ± 3.6	168 ± 9.3	170 ± 11.2
1500.0	141 ± 7.8	151 ± 2.2	183 ± 9.0	160 ± 5.5
3000.0	142 ± 10.7	158 ± 3.3	159 ± 9.5	148 ± 4.6
6000.0	158 ± 9.6	149 ± 8.5	157 ± 17.7 ^P	146 ± 12.8 ^P
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	3171 ± 58.2	3090 ± 58.5		
Positive Control ⁷			1685 ± 63.4	1598 ± 59.8

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Mutagenicity

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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 Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****