

Experiment Number: **A83568**

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

G06: Ames Summary Data

Test Compound: **Fennel seed oil sweet**

CAS Number: **8006-84-6**

Date Report Requested: **09/18/2018**

Time Report Requested: **10:38:30**

NTP Study Number:

A83568

Study Result:

Negative

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	128 ± 3.8	117 ± 4.3	105 ± 2.5	128 ± 5.8
5.0	123 ± 3.9	113 ± 6.4		
10.0	135 ± 4.6	123 ± 3.4		
25.0	141 ± 5.7	108 ± 7.2		
50.0	73 ± 3.2	105 ± 11.0		
100.0	51 ± 13.2	38 ± 12.2	111 ± 4.6	124 ± 6.7
250.0			127 ± 17.4	148 ± 8.4
500.0			96 ± 3.8	126 ± 3.3
750.0			99 ± 6.6	121 ± 7.2
1000.0			49 ± 4.1	77 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	573 ± 24.4	658 ± 24.0		
Positive Control ³			572 ± 11.7	396 ± 4.7

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	30 ± 2.7	34 ± 0.9	29 ± 1.5	31 ± 3.8
5.0	30 ± 2.4	26 ± 1.2		
10.0	27 ± 2.6	31 ± 2.6		
25.0	26 ± 1.5	26 ± 2.7		
50.0	15 ± 2.0	19 ± 2.7		
100.0	5 ± 2.0	5 ± 1.9	26 ± 2.1	37 ± 1.2
250.0			32 ± 1.2	35 ± 2.3
500.0			28 ± 3.8	28 ± 4.6
750.0			33 ± 1.5	33 ± 1.5
1000.0			18 ± 0.6	17 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			671 ± 13.1	514 ± 13.9
Positive Control ⁴	554 ± 12.9			
Positive Control ⁵		411 ± 42.6		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	214 ± 7.4	156 ± 5.6	234 ± 20.2	199 ± 1.2
5.0	234 ± 13.0	162 ± 3.5		
10.0	253 ± 18.1	172 ± 3.8		
25.0	141 ± 14.1	119 ± 3.5		
50.0	139 ± 25.5	91 ± 11.2		
100.0	59 ± 7.7	53 ± 6.9	212 ± 27.0	241 ± 9.7
250.0			220 ± 9.3	237 ± 11.9
500.0			117 ± 3.6	207 ± 6.2
750.0			150 ± 21.1	145 ± 3.8
1000.0			62 ± 11.9	127 ± 9.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			859 ± 42.6	671 ± 10.9
Positive Control ⁷	957 ± 38.5	805 ± 34.4		

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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 Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Nitrofluorene
- 5: 5.0 nmoles/L 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****