

Experiment Number: A39246

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

G06: Ames Summary Data

Test Compound: **Black haw bark extract**

CAS Number: **84929-54-4**

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

Time Report Requested: **09:49:03**

NTP Study Number:

A39246

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	41 ± 3.4	68 ± 2.5	53 ± 2.3	57 ± 1.5
1000.0	35 ± 1.9	61 ± 2.3	65 ± 4.4	46 ± 2.9
2500.0	56 ± 2.3	58 ± 1.5	48 ± 2.3	44 ± 4.1
5000.0	41 ± 4.3	50 ± 3.0	42 ± 7.3	53 ± 2.6
7500.0	43 ± 2.6	60 ± 5.8	36 ± 5.7	39 ± 0.9
10000.0	46 ± 7.0	56 ± 13.7	49 ± 2.3	59 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	385 ± 4.4	377 ± 22.1		
Positive Control ³			985 ± 38.5	648 ± 20.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12 ± 1.2	17 ± 2.3	13 ± 1.8	29 ± 1.9
1000.0	30 ± 7.4	19 ± 2.2	26 ± 2.8	28 ± 3.8
2500.0	18 ± 1.7	13 ± 0.3	18 ± 2.5	24 ± 4.7
5000.0	18 ± 1.7	19 ± 1.0	18 ± 0.3	26 ± 1.7
7500.0	18 ± 4.1	15 ± 1.0	21 ± 1.0	20 ± 2.1
10000.0	11 ± 1.5	19 ± 5.5	13 ± 1.8	30 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			500 ± 27.9	826 ± 49.9
Positive Control ⁴	170 ± 5.5	427 ± 4.0		

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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	166 ± 29.0	216 ± 12.1	244 ± 9.2	231 ± 12.9
0.0				
10.0		242 ± 6.7		
50.0		263 ± 3.8		
100.0		257 ± 24.5		
500.0	244 ± 11.6	221 ± 7.5	298 ± 17.4	314 ± 4.4
1000.0	232 ± 15.9	180 ± 7.3	289 ± 7.0	302 ± 16.0
2000.0	207 ± 13.2		280 ± 10.1	277 ± 13.3
3500.0	190 ± 11.3		248 ± 5.0	227 ± 15.9
5000.0	174 ± 4.0		193 ± 21.1	193 ± 15.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			752 ± 7.4	713 ± 18.2
Positive Control ⁶	768 ± 5.4	1237 ± 37.4		

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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: Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****