

Experiment Number: 845520

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hamamelis water (witch hazel)

CAS Number: 68916-39-2

Date Report Requested: 09/16/2018

Time Report Requested: 04:34:17

NTP Study Number:

845520

Study Result:

Positive

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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	138 ± 4.7	138 ± 3.2	142 ± 6.7	142 ± 8.4	133 ± 14.5
100.0	146 ± 6.6		142 ± 17.7		145 ± 3.8
333.0	123 ± 4.9		137 ± 3.1		118 ± 1.9
1000.0	158 ± 13.9	164 ± 10.5	143 ± 5.5	133 ± 7.2	150 ± 8.7
3333.0	199 ± 9.5	245 ± 18.2	145 ± 14.7	131 ± 0.9	147 ± 2.8
5000.0		299 ± 12.1		140 ± 3.8	
7000.0		367 ± 18.3		139 ± 11.3	
10000.0	481 ± 30.7	508 ± 20.8	168 ± 16.3	158 ± 10.7	156 ± 5.8
Trial Summary	Positive	Positive	Negative	Negative	Negative
Positive Control ²					804 ± 51.0
Positive Control ³			743 ± 4.5	775 ± 44.7	
Positive Control ⁴	907 ± 23.3	1053 ± 36.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	145 ± 5.9
100.0	
333.0	
1000.0	138 ± 7.8
3333.0	146 ± 5.6
5000.0	149 ± 3.8
7000.0	149 ± 4.7
10000.0	156 ± 8.4
Trial Summary	Negative
Positive Control ²	1014 ± 18.6
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.6	14 ± 4.0	9 ± 1.3
100.0	25 ± 0.6	9 ± 0.3	11 ± 4.3
333.0	24 ± 3.1	6 ± 1.0	12 ± 2.1
1000.0	26 ± 3.8	11 ± 0.9	10 ± 2.2
3333.0	22 ± 1.5	14 ± 0.6	11 ± 3.0
10000.0	26 ± 1.2	15 ± 2.2	11 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ²			38 ± 2.0
Positive Control ³		43 ± 4.1	
Positive Control ⁴	757 ± 41.0		

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Test Compound: Hamamelis water (witch hazel)

CAS Number: 68916-39-2

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Time Report Requested: 04:34:17

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.5	9 ± 1.2	8 ± 0.9
100.0	6 ± 0.3	8 ± 3.0	9 ± 0.6
333.0	7 ± 1.2	9 ± 2.2	6 ± 1.3
1000.0	8 ± 0.7	8 ± 1.9	9 ± 0.3
3333.0	7 ± 1.9	12 ± 2.5	11 ± 2.3
10000.0	7 ± 1.0	11 ± 0.9	12 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ²			51 ± 4.3
Positive Control ³		29 ± 5.2	
Positive Control ⁵	237 ± 58.4		

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Test Compound: Hamamelis water (witch hazel)

CAS Number: 68916-39-2

Date Report Requested: 09/16/2018

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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	16 ± 3.5	29 ± 6.7	24 ± 1.5	28 ± 3.1	23 ± 0.9
100.0	17 ± 2.3		31 ± 1.8		26 ± 3.6
333.0	21 ± 2.1		24 ± 2.0		27 ± 2.0
1000.0	24 ± 1.7	25 ± 1.2	22 ± 2.3	24 ± 1.9	29 ± 1.9
3333.0	50 ± 7.9	48 ± 5.5	30 ± 4.1	34 ± 1.9	29 ± 2.7
5000.0		65 ± 7.5		33 ± 2.3	
7000.0		79 ± 6.0		25 ± 2.0	
10000.0	97 ± 10.2	127 ± 19.2	24 ± 2.7	32 ± 1.8	32 ± 1.5
Trial Summary	Positive	Positive	Negative	Negative	Negative
Positive Control ²					674 ± 31.1
Positive Control ³			396 ± 56.0	411 ± 17.5	
Positive Control ⁶	1105 ± 9.5	1221 ± 5.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 2.2
100.0	
333.0	
1000.0	34 ± 3.1
3333.0	25 ± 3.4
5000.0	27 ± 1.8
7000.0	31 ± 1.5
10000.0	31 ± 0.3
Trial Summary	Negative
Positive Control ²	1022 ± 26.3
Positive Control ³	
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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****