

Experiment Number: A14323

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

G06: Ames Summary Data

Test Compound: **Hops extract**

CAS Number: **8060-28-4**

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

Time Report Requested: **09:16:08**

NTP Study Number:

A14323

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	55 ± 4.4	46 ± 3.5	50 ± 6.0	58 ± 4.7
2500.0	47 ± 4.7	39 ± 4.8	51 ± 4.7	56 ± 6.7
5000.0	55 ± 5.9	50 ± 3.0	51 ± 5.9	60 ± 4.0
7500.0	45 ± 3.9	58 ± 2.5	57 ± 5.0	60 ± 2.0
10000.0	55 ± 11.5	62 ± 10.0	74 ± 8.2	87 ± 15.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	385 ± 4.4	407 ± 9.8		
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	With 10% Rat S9
Vehicle Control ¹	12 ± 1.2	17 ± 2.3	13 ± 1.8	29 ± 1.9	21 ± 3.5
1000.0	27 ± 5.6	18 ± 2.3	33 ± 3.4	20 ± 1.8	21 ± 3.8
2500.0	12 ± 0.9	20 ± 3.7	24 ± 0.9	22 ± 1.2	12 ± 1.0
5000.0	20 ± 2.6	16 ± 2.3	28 ± 5.0	17 ± 2.3	20 ± 3.5
7500.0	26 ± 2.7	21 ± 4.0	28 ± 2.3	26 ± 4.3	19 ± 1.7
10000.0	15 ± 2.7	20 ± 1.0	29 ± 2.1	30 ± 3.1	11 ± 1.7
Trial Summary	Negative	Negative	Positive	Negative	Negative
Positive Control ³				826 ± 49.9	473 ± 19.8
Positive Control ⁴			500 ± 27.9		
Positive Control ⁵	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	With 10% Rat S9
Vehicle Control ¹	166 ± 29.0	229 ± 13.3	244 ± 9.2	231 ± 12.9	264 ± 9.1
250.0					256 ± 32.4
500.0					237 ± 9.7
1000.0	234 ± 8.6	248 ± 15.2	254 ± 12.8	308 ± 16.5	234 ± 3.2
2500.0	266 ± 7.1	273 ± 11.4	268 ± 5.9	313 ± 6.8	235 ± 32.7
5000.0	259 ± 5.9	262 ± 8.7	285 ± 12.5	285 ± 6.2	263 ± 15.1
7500.0	244 ± 7.8	268 ± 6.1	278 ± 20.7	312 ± 3.0	
10000.0	233 ± 0.7	260 ± 7.7	303 ± 10.9	291 ± 13.5	
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ⁶			752 ± 7.4	713 ± 18.2	848 ± 23.8
Positive Control ⁷	768 ± 5.4	663 ± 46.0			

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

** END OF REPORT **