

Experiment Number: A28928

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

G06: Ames Summary Data

Test Compound: **Bilberry fruit extract**

CAS Number: **84082-34-8**

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

Time Report Requested: **14:45:33**

NTP Study Number:

A28928

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	100 ± 8.3	109 ± 3.8	104 ± 6.1
100.0	111 ± 4.1	108 ± 2.7	110 ± 4.4
333.0	111 ± 2.7	104 ± 4.9	110 ± 7.0
1000.0	113 ± 3.2	93 ± 2.9	96 ± 5.8
3333.0	122 ± 3.5	106 ± 7.0	103 ± 8.1
10000.0	116 ± 3.3	100 ± 0.7	107 ± 16.8
Trial Summary	Negative	Negative	Negative
Positive Control ²			1465 ± 88.9
Positive Control ³		766 ± 50.5	
Positive Control ⁴	1036 ± 28.0		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.2	22 ± 2.2	22 ± 1.7	36 ± 2.7	19 ± 2.2
100.0	18 ± 2.4	24 ± 1.5	22 ± 2.3	40 ± 1.2	16 ± 2.4
333.0	17 ± 0.7	36 ± 2.7	25 ± 4.0	41 ± 1.5	27 ± 0.6
1000.0	21 ± 5.0	35 ± 2.5	23 ± 3.1	54 ± 5.0	30 ± 1.0
3333.0	24 ± 1.3	44 ± 4.6	41 ± 2.3	70 ± 9.6	34 ± 3.1
10000.0	47 ± 4.5	67 ± 5.7	63 ± 2.2	92 ± 0.6	62 ± 7.0
Trial Summary	Weakly Positive	Positive	Positive	Positive	Positive
Positive Control ²					1529 ± 31.3
Positive Control ⁵	775 ± 21.0	826 ± 86.8			
Positive Control ³			1166 ± 63.2	1330 ± 41.1	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 1.5
100.0	43 ± 1.7
333.0	48 ± 3.0
1000.0	49 ± 2.1
3333.0	58 ± 8.2
10000.0	81 ± 3.3
Trial Summary	Positive
Positive Control ²	1395 ± 44.3
Positive Control ⁵	
Positive Control ³	

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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: 2.0 ug/Plate 2-Aminoanthracene
- 3: 5.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****