

Experiment Number: **G08002**

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

G06: Ames Summary Data

Test Compound: **Bisphenol AF**

CAS Number: **1478-61-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **22:17:38**

NTP Study Number:

G08002

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	95 ± 6.4	134 ± 14.7	103 ± 4.7	139 ± 7.0
4.0	94 ± 2.3	128 ± 5.2		
8.0	108 ± 7.0	159 ± 32.4	99 ± 4.7	134 ± 13.1
20.0	89 ± 5.7	111 ± 3.1	114 ± 6.5	129 ± 10.3
30.0	85 ± 6.3	102 ± 9.0		
50.0	3 ± 1.0 ^s	10 ± 4.0 ^s	103 ± 4.9	124 ± 2.6
125.0	2 ± 1.0 ^s	Toxic	83 ± 9.3	105 ± 7.3
250.0			30 ± 2.1 ^s	52 ± 2.3 ^s
500.0			26 ± 4.0 ^s	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	709 ± 4.4	761 ± 32.9		
Positive Control ³			711 ± 64.1	610 ± 25.8

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	46 ± 4.0	56 ± 1.9	50 ± 7.2	55 ± 1.3
4.0	50 ± 6.9	49 ± 4.5		
8.0	53 ± 4.6	67 ± 9.2	55 ± 7.5	60 ± 3.2
20.0	48 ± 4.6	58 ± 1.7	48 ± 0.9	58 ± 4.6
30.0	37 ± 1.7	50 ± 0.9		
50.0	14 ± 1.5 ^s	26 ± 2.2	41 ± 3.8	68 ± 1.2
125.0	Toxic	Toxic	36 ± 2.9	39 ± 0.6
250.0			18 ± 0.3 ^s	28 ± 1.2
500.0			Toxic	7 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1339 ± 30.4	1449 ± 23.6
Positive Control ⁵	523 ± 31.1	618 ± 31.5		

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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	154 ± 7.4	151 ± 3.8	218 ± 17.2	180 ± 7.8
125.0	136 ± 4.0	139 ± 8.1	221 ± 11.3	223 ± 13.5
250.0	109 ± 4.3	115 ± 0.0	186 ± 8.4	178 ± 6.4
500.0	91 ± 6.9	78 ± 4.8	167 ± 16.4	161 ± 3.3
750.0	52 ± 10.2 ^s	83 ± 4.7	127 ± 6.3	125 ± 2.3
1000.0	52 ± 3.5 ^s	26 ± 1.7 ^s	80 ± 14.2 ^s	108 ± 10.7
2000.0	31 ± 6.8 ^s	46 ± 2.2 ^p	32 ± 1.5 ^p	18 ± 1.7 ^x
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	2425 ± 140.4	3010 ± 26.5		
Positive Control ⁴			1324 ± 24.3	1585 ± 85.5

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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: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****