

Experiment Number: 831011

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

**G06: Ames Summary Data**

Test Compound: **AF-2**

CAS Number: **3688-53-7**

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

Time Report Requested: **19:23:38**

**NTP Study Number:**

831011

**Study Result:**

Positive

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	111 ± 32.0	117 ± 4.3	134 ± 19.0	187 ± 12.2	167 ± 14.6
0.001		152 ± 7.9		211 ± 9.2	
0.003		278 ± 10.7		236 ± 11.9	
0.01	408 ± 16.8	432 ± 4.7	363 ± 7.5	315 ± 19.5	343 ± 7.7
0.033	456 ± 34.0	484 ± 19.3	541 ± 9.7	436 ± 5.9	474 ± 8.0
0.1	358 ± 16.3	320 ± 16.8	224 ± 4.4	217 ± 52.7	312 ± 34.1
0.33	24 ± 1.3		115 ± 0.6		139 ± 12.7
1.0	0 ± 0.0		327 ± 177.5		316 ± 44.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			488 ± 47.3	302 ± 32.5	962 ± 84.9
Positive Control <sup>3</sup>	447 ± 67.6	384 ± 13.0			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	160 ± 12.2
0.001	174 ± 11.6
0.003	230 ± 17.2
0.01	358 ± 2.6
0.033	454 ± 5.8
0.1	203 ± 6.4
0.33	
1.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	497 ± 51.7
Positive Control <sup>3</sup>	

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	13 ± 1.3	9 ± 1.0	11 ± 0.9
0.01	13 ± 1.3	12 ± 0.7	14 ± 2.1
0.033	19 ± 3.6	15 ± 2.2	17 ± 2.3
0.1	18 ± 6.2	12 ± 1.7	18 ± 2.2
0.33	2 ± 1.5	9 ± 0.3	12 ± 2.0
1.0	0 ± 0.0	41 ± 22.3	11 ± 2.3
Trial Summary	Negative	Equivocal	Negative
Positive Control <sup>2</sup>		40 ± 6.4	96 ± 23.3
Positive Control <sup>3</sup>	337 ± 21.7		

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 1.3	17 ± 1.7	18 ± 1.5
0.01	12 ± 1.8	16 ± 0.6	12 ± 0.0
0.033	12 ± 0.0	24 ± 3.0	22 ± 1.7
0.1	2 ± 0.3	20 ± 0.9	20 ± 1.2
0.33	1 ± 0.6	8 ± 2.1	17 ± 2.0
1.0	0 ± 0.0	Toxic	0 ± 0.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		32 ± 6.9	67 ± 17.1
Positive Control <sup>4</sup>	191 ± 37.4		

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	23 ± 2.5	18 ± 3.7	42 ± 1.5	26 ± 1.7	41 ± 3.8
0.001		25 ± 2.0		36 ± 0.3	
0.003		36 ± 5.9		44 ± 2.5	
0.01	104 ± 1.3	81 ± 8.8	84 ± 18.4	63 ± 3.2	54 ± 5.5
0.033	207 ± 9.3	142 ± 8.1	145 ± 6.3	148 ± 12.8	88 ± 5.5
0.1	124 ± 28.4	88 ± 0.9	274 ± 18.7	123 ± 17.5	179 ± 10.1
0.33	0 ± 0.0		74 ± 2.6		210 ± 13.7
1.0	28 ± 4.7		30 ± 1.9		26 ± 3.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			176 ± 39.1	230 ± 8.4	510 ± 100.4
Positive Control <sup>5</sup>	483 ± 31.6	333 ± 6.6			

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### **LEGEND**

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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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***