

Experiment Number: **A04901**

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

G06: Ames Summary Data

Test Compound: **Styrene-acrylonitrile trimer**

CAS Number: **SANTRIMER2**

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

Time Report Requested: **15:31:10**

NTP Study Number:

A04901

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	111 ± 9.2	78 ± 0.9	77 ± 2.2	71 ± 8.5
500.0	111 ± 3.8	83 ± 4.6	82 ± 3.1	87 ± 7.4
1000.0		92 ± 2.0		51 ± 2.7
1500.0	134 ± 4.6		68 ± 4.1	
2000.0		89 ± 1.3		41 ± 3.9
3000.0	88 ± 2.0		50 ± 7.1	
4000.0		86 ± 1.2		36 ± 1.2
5000.0	40 ± 8.0		33 ± 4.7	
6000.0		54 ± 4.4		28 ± 2.7
7500.0	35 ± 5.8 ^p		3 ± 0.9 ^p	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	687 ± 13.3	581 ± 18.7		
Positive Control ³			740 ± 3.4	997 ± 99.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 3.2		29 ± 4.7	21 ± 2.8	34 ± 2.4
Vehicle Control ⁴		20 ± 1.2			
500.0	27 ± 2.3	22 ± 2.8	47 ± 4.3	16 ± 2.6	25 ± 2.8
1000.0		19 ± 1.7	48 ± 2.9		22 ± 2.3
1500.0	27 ± 0.9			15 ± 2.8	
2000.0		14 ± 1.0	43 ± 6.1		21 ± 2.0
3000.0	21 ± 1.9			15 ± 1.9	
4000.0		0 ± 0.0	19 ± 2.5		18 ± 0.3
5000.0	6 ± 1.5			10 ± 0.9	
6000.0		0 ± 0.0	13 ± 0.6		2 ± 0.0
7500.0	2 ± 0.7 ^P			4 ± 0.3 ^P	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ³				728 ± 18.9	757 ± 39.6
Positive Control ⁵	463 ± 18.8	412 ± 5.9	651 ± 30.7		

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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	199 ± 16.8	160 ± 2.7	198 ± 6.7	200 ± 6.4
500.0		150 ± 6.4		161 ± 10.4
1000.0		153 ± 3.2		189 ± 19.7
1500.0	240 ± 4.1		121 ± 3.8	
2000.0		186 ± 8.8		142 ± 7.0
3000.0	250 ± 14.0		114 ± 7.0	
4000.0		181 ± 8.0		79 ± 9.8
5000.0	88 ± 2.8		76 ± 5.9	
6000.0		172 ± 5.7		83 ± 4.3
7500.0	34 ± 2.3		71 ± 3.3	
10000.0	33 ± 1.9 ^p		68 ± 4.0	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			912 ± 17.9	926 ± 39.9
Positive Control ⁷	1886 ± 128.2	1406 ± 44.7		

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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: 2.5 ug/Plate 2-Aminoanthracene

4: Vehicle Control: Dimethyl Formamide

5: 5.0 ug/Plate 2-Nitrofluorene

6: 20.0 ug/Plate 2-Aminoanthracene

7: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

**** END OF REPORT ****