

Experiment Number: 193309

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

**G06: Ames Summary Data**

Test Compound: **Phenyl salicylate**

CAS Number: 118-55-8

Date Report Requested: 09/14/2018

Time Report Requested: 02:18:27

**NTP Study Number:**

193309

**Study Result:**

Equivocal

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	178 ± 11.7	163 ± 9.6	219 ± 7.3	191 ± 11.2	178 ± 16.5
1.0	228 ± 9.8	173 ± 23.8	215 ± 12.6	205 ± 7.9	186 ± 21.7
3.3	211 ± 9.7	174 ± 15.7	222 ± 6.8	217 ± 5.8	211 ± 4.7
10.0	203 ± 0.7	145 ± 20.6	207 ± 11.3	223 ± 14.9	218 ± 13.5
33.0	115 ± 35.1	122 ± 8.4	207 ± 11.6	208 ± 7.5	223 ± 3.3
100.0	11 ± 2.0	99 ± 1.5	225 ± 9.4	194 ± 10.1	224 ± 9.0
1000.0					
2000.0					
Trial Summary	Equivocal	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>			651 ± 27.2	476 ± 91.0	531 ± 20.9
Positive Control <sup>3</sup>	347 ± 4.7	467 ± 60.5			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	187 ± 11.1
1.0	215 ± 5.7
3.3	218 ± 12.8
10.0	244 ± 6.4
33.0	225 ± 13.0
100.0	241 ± 2.0
1000.0	
2000.0	
Trial Summary	Equivocal
Positive Control <sup>2</sup>	1271 ± 50.1
Positive Control <sup>3</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 0.3	10 ± 1.2	14 ± 1.3	12 ± 1.2	10 ± 1.5
1.0	8 ± 1.2	13 ± 2.6	16 ± 1.2	16 ± 2.6	15 ± 1.8
3.3	11 ± 1.5	13 ± 2.0	13 ± 2.6	20 ± 3.7	15 ± 1.2
10.0	10 ± 0.6	12 ± 1.2	14 ± 3.0	12 ± 3.2	22 ± 3.1
33.0	10 ± 1.7	13 ± 2.1	16 ± 0.9	20 ± 1.5	13 ± 1.7
100.0	8 ± 1.5	12 ± 2.3	18 ± 2.9	18 ± 5.2	14 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			59 ± 3.5	93 ± 7.2	110 ± 5.5
Positive Control <sup>3</sup>	437 ± 25.8	314 ± 75.9			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 0.9
1.0	14 ± 1.2
3.3	15 ± 3.5
10.0	14 ± 3.1
33.0	10 ± 1.2
100.0	13 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	87 ± 11.6
Positive Control <sup>3</sup>	

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 0.9	6 ± 1.5	8 ± 1.7	8 ± 1.5	10 ± 1.0
1.0	6 ± 0.9	4 ± 1.2	8 ± 0.7	8 ± 0.3	8 ± 2.8
3.3	5 ± 1.5	5 ± 0.6	9 ± 0.6	8 ± 0.7	10 ± 0.9
10.0	8 ± 2.0	6 ± 1.9	10 ± 3.0	9 ± 0.7	10 ± 0.9
33.0	5 ± 1.9	4 ± 0.3	10 ± 1.2	10 ± 0.9	8 ± 3.3
100.0	5 ± 0.9	4 ± 0.9	8 ± 2.0	7 ± 1.0	8 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			37 ± 3.7	37 ± 4.9	83 ± 33.6
Positive Control <sup>4</sup>	106 ± 27.0	167 ± 32.8			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.3
1.0	7 ± 0.6
3.3	7 ± 1.5
10.0	8 ± 1.5
33.0	10 ± 1.5
100.0	9 ± 0.6
Trial Summary	Negative
Positive Control <sup>2</sup>	69 ± 12.3
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 3.2	16 ± 2.0	24 ± 6.3	25 ± 1.9	24 ± 1.2
1.0	15 ± 3.8	18 ± 3.9	29 ± 2.5	26 ± 1.5	24 ± 2.1
3.3	14 ± 1.0	16 ± 1.5	27 ± 3.9	25 ± 5.3	33 ± 0.3
10.0	17 ± 0.6	17 ± 2.2	23 ± 5.2	24 ± 3.8	32 ± 5.0
33.0	16 ± 2.5	11 ± 1.2	27 ± 4.5	24 ± 4.9	27 ± 1.2
100.0	14 ± 1.0	13 ± 0.9	25 ± 1.2	29 ± 0.6	29 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			252 ± 9.0	253 ± 8.7	848 ± 54.5
Positive Control <sup>5</sup>	166 ± 9.2	152 ± 16.6			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 2.7
1.0	24 ± 0.3
3.3	18 ± 4.7
10.0	15 ± 1.3
33.0	26 ± 0.6
100.0	27 ± 1.3
Trial Summary	Negative
Positive Control <sup>2</sup>	696 ± 78.8
Positive Control <sup>5</sup>	

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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 \*\***