

Experiment Number: **340491**

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

G06: Ames Summary Data

Test Compound: **Ethylvanillin**

CAS Number: **121-32-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **22:57:09**

NTP Study Number:

340491

Study Result:

Negative

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Test Compound: Ethylvanillin

CAS Number: 121-32-4

Date Report Requested: 09/12/2018

Time Report Requested: 22:57:09

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	151 ± 8.4	112 ± 9.3	148 ± 15.5	133 ± 10.9	178 ± 4.3
100.0	180 ± 8.5	120 ± 0.9	178 ± 7.2	137 ± 5.9	194 ± 4.5
333.0	172 ± 8.3	118 ± 7.3	156 ± 1.7	123 ± 9.1	198 ± 10.9
1000.0	158 ± 2.0	102 ± 4.8	155 ± 14.3	112 ± 6.2	175 ± 6.4
3333.0	152 ± 12.5	90 ± 5.2	134 ± 7.0	101 ± 12.7	133 ± 3.7
6000.0		90 ± 3.4 ^s			
6667.0	Toxic				
8000.0			53 ± 2.9 ^s	Toxic	44 ± 6.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					962 ± 44.6
Positive Control ³			756 ± 15.3	393 ± 73.7	
Positive Control ⁴	1491 ± 59.5	1560 ± 92.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	140 ± 7.4
100.0	142 ± 4.9
333.0	143 ± 5.2
1000.0	129 ± 0.3
3333.0	97 ± 3.5
6000.0	
6667.0	
8000.0	45 ± 5.8 ^s
Trial Summary	Negative
Positive Control ²	553 ± 38.2
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 3.8	19 ± 3.9	16 ± 3.1	11 ± 2.3	10 ± 1.8
100.0	27 ± 2.4	18 ± 1.5	13 ± 3.8	11 ± 0.9	10 ± 0.0
333.0	21 ± 4.0	17 ± 1.2	16 ± 1.5	12 ± 2.7	8 ± 2.2
1000.0	23 ± 4.1	14 ± 3.8	9 ± 1.5	11 ± 1.5	7 ± 1.3
3333.0	14 ± 0.3	14 ± 1.9	7 ± 1.5	8 ± 1.5	8 ± 0.9
6000.0		5 ± 0.6	4 ± 1.9 ^s		
6667.0	Toxic				
8000.0				1 ± 0.6 ^s	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				68 ± 4.8	50 ± 5.5
Positive Control ⁴	1367 ± 95.4	1225 ± 64.6	998 ± 22.3		

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.0	12 ± 3.2	8 ± 1.2	5 ± 0.6
100.0	9 ± 1.5	13 ± 0.6	12 ± 1.7	9 ± 0.6
333.0	9 ± 3.2	15 ± 1.9	11 ± 0.9	7 ± 1.5
1000.0	7 ± 1.2	17 ± 0.3	11 ± 1.9	8 ± 2.7
3333.0	7 ± 0.3	10 ± 0.6	9 ± 2.3	6 ± 2.3
6000.0				
6667.0				
8000.0	Toxic	6 ± 1.5 ^s	1 ± 0.3 ^s	1 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		89 ± 1.5	58 ± 5.6	83 ± 5.8
Positive Control ³	81 ± 4.1			
Positive Control ⁴				

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Date Report Requested: 09/12/2018

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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 ¹	6 ± 1.3	14 ± 3.8	9 ± 2.2	22 ± 3.2	9 ± 2.5
100.0	5 ± 1.0	17 ± 1.0	8 ± 1.0	20 ± 0.3	10 ± 1.9
333.0	5 ± 0.3	19 ± 3.0	5 ± 1.0	17 ± 1.5	7 ± 1.2
1000.0	6 ± 0.7	17 ± 1.8	9 ± 0.6	18 ± 3.8	8 ± 1.2
3333.0	5 ± 1.5	15 ± 0.7	5 ± 0.9	18 ± 0.7	5 ± 0.9
6000.0		10 ± 2.6			
6667.0	2 ± 0.9 ^s				
8000.0			2 ± 0.5 ^s	4 ± 0.6 ^s	1 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					66 ± 6.1
Positive Control ³			52 ± 5.5	47 ± 3.8	
Positive Control ⁵	406 ± 64.6	81 ± 13.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 4.0
100.0	19 ± 2.0
333.0	17 ± 3.9
1000.0	19 ± 1.8
3333.0	18 ± 2.2
6000.0	
6667.0	
8000.0	2 ± 0.7 ^s
Trial Summary	Negative
Positive Control ²	58 ± 2.8
Positive Control ³	
Positive Control ⁵	

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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 ¹	21 ± 3.5	15 ± 0.6	22 ± 2.6	21 ± 0.9	27 ± 2.9
100.0	19 ± 4.3	20 ± 1.9	25 ± 4.1	22 ± 2.3	30 ± 4.5
333.0	22 ± 2.9	13 ± 2.0	26 ± 1.7	21 ± 5.5	26 ± 2.0
1000.0	12 ± 1.5	14 ± 0.3	26 ± 1.5	21 ± 2.2	27 ± 4.8
3333.0	15 ± 2.9	12 ± 1.2	19 ± 1.9	20 ± 1.8	17 ± 1.9
6000.0		11 ± 1.0			
6667.0	3 ± 1.5 ^s				
8000.0			4 ± 0.9 ^s	5 ± 1.7 ^s	3 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					785 ± 39.9
Positive Control ³			558 ± 11.3	322 ± 67.3	
Positive Control ⁶	1406 ± 21.2	1304 ± 53.4			

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Test Compound: Ethylvanillin

CAS Number: 121-32-4

Date Report Requested: 09/12/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.5
100.0	27 ± 4.4
333.0	29 ± 3.8
1000.0	28 ± 0.7
3333.0	19 ± 0.9
6000.0	
6667.0	
8000.0	2 ± 0.3 ^s
Trial Summary	Negative
Positive Control ²	402 ± 19.0
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****