

Experiment Number: 799518

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

**G06: Ames Summary Data**

Test Compound: **Veratraldehyde**

CAS Number: **120-14-9**

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

Time Report Requested: **08:40:52**

**NTP Study Number:**

799518

**Study Result:**

Negative

Experiment Number: 799518

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Veratraldehyde

CAS Number: 120-14-9

Date Report Requested: 09/15/2018

Time Report Requested: 08:40:52

## 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>	170 ± 9.2	134 ± 7.5	172 ± 9.0	119 ± 11.6	178 ± 5.9
100.0	170 ± 4.8	113 ± 8.5	165 ± 1.2	132 ± 6.7	170 ± 14.5
333.0	157 ± 2.6	117 ± 5.5	185 ± 4.6	117 ± 12.8	169 ± 5.6
1000.0	139 ± 2.9	108 ± 10.3	146 ± 5.3	105 ± 7.8	174 ± 4.4
3333.0	130 ± 5.8	90 ± 1.5	144 ± 10.0	90 ± 8.2	148 ± 5.0
6666.0	5 ± 1.5 <sup>s</sup>	Toxic	113 ± 9.2 <sup>s</sup>	24 ± 6.2 <sup>s</sup>	113 ± 6.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					711 ± 9.4
Positive Control <sup>3</sup>			760 ± 17.9	570 ± 7.4	
Positive Control <sup>4</sup>	1647 ± 22.5	1131 ± 54.2			

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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>	154 ± 6.4
100.0	136 ± 9.6
333.0	132 ± 6.1
1000.0	141 ± 6.7
3333.0	108 ± 12.0
6666.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	1039 ± 53.9
Positive Control <sup>3</sup>	
Positive Control <sup>4</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>	16 ± 1.5	24 ± 3.6	15 ± 1.2	9 ± 1.9	20 ± 1.5
100.0	22 ± 1.5	21 ± 0.9	25 ± 1.2	9 ± 1.5	20 ± 1.5
333.0	25 ± 1.2	20 ± 1.9	20 ± 2.6	13 ± 3.5	15 ± 2.2
1000.0	23 ± 2.8	17 ± 0.9	21 ± 3.5	13 ± 2.1	13 ± 1.3
3333.0	21 ± 3.0	12 ± 2.0	28 ± 4.5	9 ± 3.5	18 ± 0.3
6666.0	3 ± 1.5 <sup>s</sup>	Toxic	10 ± 1.2 <sup>s</sup>	6 ± 2.4 <sup>s</sup>	11 ± 1.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					58 ± 5.3
Positive Control <sup>3</sup>			58 ± 7.4	44 ± 6.4	
Positive Control <sup>4</sup>	1341 ± 59.1	897 ± 8.8			

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G06: Ames Summary Data  
Test Compound: Veratraldehyde  
CAS Number: 120-14-9

Date Report Requested: 09/15/2018  
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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	12 ± 3.6
100.0	11 ± 1.9
333.0	10 ± 1.2
1000.0	10 ± 0.3
3333.0	14 ± 2.0
6666.0	1 ± 0.7 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	74 ± 3.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 799518

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Veratraldehyde

CAS Number: 120-14-9

Date Report Requested: 09/15/2018

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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 <sup>1</sup>	5 ± 1.2	3 ± 0.3	7 ± 1.5	7 ± 1.9	8 ± 3.2
100.0	9 ± 0.7	5 ± 1.2	5 ± 0.3	5 ± 1.7	5 ± 2.3
333.0	5 ± 0.7	5 ± 0.7	9 ± 1.2	4 ± 0.6	9 ± 2.3
1000.0	8 ± 1.2	4 ± 2.0	7 ± 1.0	4 ± 0.9	7 ± 1.5
3333.0	6 ± 2.3	5 ± 1.2	8 ± 0.3	6 ± 1.5	7 ± 0.7
6666.0	2 ± 0.7 <sup>s</sup>	Toxic	3 ± 0.7 <sup>s</sup>	4 ± 0.6 <sup>s</sup>	4 ± 0.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					46 ± 3.5
Positive Control <sup>3</sup>			35 ± 3.5	36 ± 4.3	
Positive Control <sup>5</sup>	395 ± 16.6	475 ± 58.5			

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**G06: Ames Summary Data**

Test Compound: **Veratraldehyde**

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 3.6
100.0	7 ± 0.9
333.0	4 ± 1.5
1000.0	7 ± 2.9
3333.0	4 ± 0.3
6666.0	2 ± 0.3 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	84 ± 11.9
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Veratraldehyde

CAS Number: 120-14-9

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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>	18 ± 0.6	16 ± 1.9	26 ± 0.9	24 ± 4.5	26 ± 3.4
100.0	17 ± 2.2	15 ± 1.3	21 ± 3.2	22 ± 3.5	25 ± 3.0
333.0	20 ± 1.2	13 ± 1.2	24 ± 1.7	17 ± 3.7	30 ± 4.6
1000.0	16 ± 0.3	13 ± 1.9	21 ± 3.2	15 ± 2.0	30 ± 2.6
3333.0	13 ± 1.2	10 ± 0.9	16 ± 4.7	15 ± 2.7	23 ± 1.9
6666.0	6 ± 1.2 <sup>s</sup>	Toxic	13 ± 0.7	12 ± 3.7 <sup>s</sup>	16 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					512 ± 21.7
Positive Control <sup>3</sup>			462 ± 16.3	226 ± 44.3	
Positive Control <sup>6</sup>	1601 ± 87.8	1193 ± 23.9			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	21 ± 4.6
100.0	24 ± 2.7
333.0	22 ± 2.2
1000.0	17 ± 3.4
3333.0	20 ± 2.4
6666.0	5 ± 1.2 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	832 ± 14.1
Positive Control <sup>3</sup>	
Positive Control <sup>6</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: 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 \*\***