

Experiment Number: **A01298**  
Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **Linolenic acid**  
CAS Number: **463-40-1**

Date Report Requested: **09/15/2018**  
Time Report Requested: **11:08:23**

**NTP Study Number:**

A01298

**Study Result:**

Weakly Positive

Experiment Number: A01298

## G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: Linolenic acid

Time Report Requested: 11:08:23

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	98 ± 4.1	130 ± 4.1	122 ± 9.3	137 ± 8.6	136 ± 8.5
100.0	84 ± 2.6	140 ± 3.8		112 ± 1.5	
333.0	85 ± 3.3	165 ± 8.9		107 ± 7.5	
1000.0	94 ± 3.8	169 ± 8.5		132 ± 2.7	
3333.0	102 ± 9.5 <sup>P</sup>	142 ± 1.8 <sup>P</sup>		100 ± 8.2 <sup>P</sup>	
6000.0			172 ± 14.5 <sup>P</sup>		152 ± 5.8 <sup>P</sup>
7000.0			173 ± 8.1 <sup>P</sup>		164 ± 13.1 <sup>P</sup>
8000.0			208 ± 6.7 <sup>P</sup>		190 ± 8.5 <sup>P</sup>
9000.0			210 ± 17.5 <sup>P</sup>		218 ± 21.3 <sup>P</sup>
10000.0	129 ± 10.3 <sup>P</sup>	265 ± 18.3 <sup>P</sup>	250 ± 24.7 <sup>P</sup>	214 ± 5.6 <sup>P</sup>	218 ± 6.1 <sup>P</sup>
Trial Summary	Negative	Equivocal	Positive	Equivocal	Weakly Positive
Positive Control <sup>2</sup>				795 ± 60.9	570 ± 10.8
Positive Control <sup>3</sup>	435 ± 20.8				
Positive Control <sup>4</sup>		542 ± 2.2	359 ± 14.2		

Experiment Number: A01298

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Linolenic acid

CAS Number: 463-40-1

Date Report Requested: 09/15/2018

Time Report Requested: 11:08:23

**Strain: TA98**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.0	25 ± 3.5	28 ± 0.0
1.0	23 ± 4.4		
3.0	27 ± 3.7		
10.0	19 ± 0.3		
33.0	23 ± 1.0		
100.0	19 ± 4.2	24 ± 3.2	30 ± 0.0
333.0		21 ± 5.8	30 ± 2.5
1000.0		26 ± 1.2	28 ± 4.2
3333.0		25 ± 3.1 <sup>P</sup>	21 ± 4.5 <sup>P</sup>
10000.0		15 ± 0.9 <sup>P</sup>	16 ± 2.2 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		244 ± 15.1	780 ± 33.9
Positive Control <sup>5</sup>	200 ± 9.3		

Experiment Number: A01298

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data

Test Compound: Linolenic acid

CAS Number: 463-40-1

Date Report Requested: 09/15/2018

Time Report Requested: 11:08:23

### 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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

\*\* END OF REPORT \*\*