

Experiment Number: 495120

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

G06: Ames Summary Data

Test Compound: **Oil orange**

CAS Number: **2646-17-5**

Date Report Requested: **09/11/2018**

Time Report Requested: **23:37:58**

NTP Study Number: 495120

Study Result: Positive

Experiment Number: 495120

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Oil orange**

Time Report Requested: 23:37:58

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 ¹	108 ± 8.0	139 ± 5.9	148 ± 4.7	125 ± 12.5	148 ± 2.9
1.0		192 ± 13.0		183 ± 8.7	
3.3			192 ± 2.9		221 ± 8.6
6.7			245 ± 3.9		342 ± 11.3
10.0		219 ± 11.7	206 ± 7.1 ^P	567 ± 28.2	422 ± 21.1 ^P
33.0	116 ± 6.8 ^P		172 ± 5.9 ^P		306 ± 20.5 ^P
100.0	110 ± 9.7 ^P	178 ± 15.4 ^P	164 ± 15.7 ^P	278 ± 13.1 ^P	267 ± 14.4 ^P
333.0	109 ± 4.1 ^P				
1000.0	116 ± 11.3 ^P	172 ± 18.4 ^P		308 ± 7.2 ^P	
2000.0	84 ± 6.8 ^S	145 ± 10.2 ^P		378 ± 13.6 ^P	
Trial Summary	Negative	Weakly Positive	Weakly Positive	Positive	Positive
Positive Control ²	421 ± 5.3				
Positive Control ³				471 ± 26.4	515 ± 18.0
Positive Control ⁴		1203 ± 42.1	1110 ± 40.5		

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G06: Ames Summary Data

Test Compound: Oil orange

CAS Number: 2646-17-5

Date Report Requested: 09/11/2018

Time Report Requested: 23:37:58

Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.2	17 ± 3.5	24 ± 2.0	32 ± 2.7	34 ± 3.3
1.0		21 ± 0.9		37 ± 3.2	
3.3			37 ± 2.5		43 ± 4.3
6.7			34 ± 2.9		40 ± 2.5
10.0		20 ± 5.8	36 ± 3.3 ^P	60 ± 3.3	57 ± 3.2 ^P
33.0	12 ± 0.6 ^P		31 ± 1.2 ^P		41 ± 1.7 ^P
100.0	13 ± 0.9 ^P	19 ± 2.4 ^P	36 ± 2.9 ^P	43 ± 5.5 ^P	48 ± 1.2 ^P
333.0	10 ± 1.5 ^S				
1000.0	6 ± 1.2 ^S	21 ± 0.9 ^P		51 ± 5.8 ^P	
2000.0	4 ± 2.0 ^S	21 ± 1.8 ^P		50 ± 5.7 ^P	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ³		287 ± 27.4	215 ± 9.9	342 ± 19.7	303 ± 21.8
Positive Control ⁵	338 ± 0.3				

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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: Acetone

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

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

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****