

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

NTP Study Number:

778282

Study Result:

Negative

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	146 ± 10.0	127 ± 7.5	107 ± 10.1	145 ± 14.7	107 ± 6.8
100.0	133 ± 3.7	137 ± 7.5	123 ± 16.5	143 ± 4.7	117 ± 11.4
333.0	130 ± 3.8	152 ± 5.0	122 ± 4.4	116 ± 5.0	128 ± 8.7
1000.0	146 ± 6.1	136 ± 6.7	130 ± 13.5	127 ± 0.7	117 ± 13.1
3333.0	109 ± 4.0	65 ± 7.9	106 ± 5.8	130 ± 15.3	85 ± 8.7
6666.0		16 ± 0.7	75 ± 11.4		53 ± 8.9
10000.0	37 ± 9.0			65 ± 8.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					548 ± 52.7
Positive Control ³			515 ± 46.0		
Positive Control ⁴	604 ± 4.0	550 ± 21.1			
Positive Control ⁵				478 ± 14.7	

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	167 ± 6.8
100.0	165 ± 17.8
333.0	155 ± 10.8
1000.0	116 ± 16.5
3333.0	118 ± 5.9
6666.0	
10000.0	61 ± 12.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	529 ± 14.2
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	31 ± 1.0	20 ± 0.6	8 ± 0.6	15 ± 1.8	10 ± 1.5
100.0	26 ± 1.5	20 ± 1.5	11 ± 1.2	14 ± 1.9	12 ± 2.0
333.0	30 ± 5.2	16 ± 0.6	7 ± 2.5	16 ± 2.2	7 ± 0.9
1000.0	30 ± 4.0	25 ± 6.9	9 ± 0.9	15 ± 1.9	8 ± 0.9
3333.0	24 ± 3.7	15 ± 2.5	9 ± 2.7	11 ± 1.2	6 ± 1.5
6666.0		14 ± 2.6	6 ± 0.9		6 ± 0.3
10000.0	21 ± 1.9			13 ± 1.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴	357 ± 22.3	499 ± 21.5			
Positive Control ³					219 ± 4.6
Positive Control ⁶			121 ± 8.4		
Positive Control ⁷				218 ± 6.6	

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 2.0
100.0	10 ± 1.8
333.0	8 ± 1.2
1000.0	8 ± 1.5
3333.0	8 ± 3.1
6666.0	
10000.0	7 ± 0.7
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁶	388 ± 17.1
Positive Control ⁷	

Experiment Number: 778282
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: C.I. Pigment yellow 100
CAS Number: 12225-21-7

Date Report Requested: 09/18/2018
Time Report Requested: 00:54:25

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.7	14 ± 1.5	15 ± 0.6
100.0	6 ± 1.5	11 ± 1.7	12 ± 3.5
333.0	10 ± 1.9	15 ± 1.8	12 ± 1.9
1000.0	11 ± 1.8	12 ± 0.6	10 ± 0.3
3333.0	6 ± 0.6	9 ± 1.5	6 ± 0.0
10000.0	5 ± 1.2	8 ± 1.9	4 ± 0.0
Trial Summary	Negative	Negative	Negative
Positive Control ³			46 ± 3.3
Positive Control ⁶		41 ± 2.3	
Positive Control ⁸	309 ± 5.0		

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	118 ± 17.4	136 ± 11.3	185 ± 4.4	169 ± 7.0	149 ± 5.2
100.0	136 ± 4.7	134 ± 7.1	172 ± 6.9	199 ± 9.5	171 ± 11.6
333.0	149 ± 13.5	145 ± 5.8	187 ± 3.8	200 ± 3.8	182 ± 3.9
1000.0	146 ± 2.8	124 ± 10.5	193 ± 6.5	196 ± 2.7	168 ± 9.1
3333.0	153 ± 7.5	92 ± 13.3	124 ± 8.1	87 ± 19.6	140 ± 15.6
6666.0		59 ± 31.4	74 ± 16.3		70 ± 14.0
10000.0	89 ± 11.1			3 ± 0.3	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					415 ± 20.8
Positive Control ³			406 ± 22.5		
Positive Control ⁶				390 ± 18.1	
Positive Control ⁸	698 ± 26.9	771 ± 68.9			

Experiment Number: 778282
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: C.I. Pigment yellow 100
CAS Number: 12225-21-7

Date Report Requested: 09/18/2018
Time Report Requested: 00:54:25

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	146 ± 25.1
100.0	156 ± 3.8
333.0	169 ± 10.1
1000.0	146 ± 12.6
3333.0	127 ± 0.0
6666.0	
10000.0	118 ± 10.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	344 ± 11.2
Positive Control ⁶	
Positive Control ⁸	

Experiment Number: 778282
 Test Type: Genetic Toxicology - Bacterial
 Mutagenicity

G06: Ames Summary Data
 Test Compound: C.I. Pigment yellow 100
 CAS Number: 12225-21-7

Date Report Requested: 09/18/2018
 Time Report Requested: 00:54:25

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.0	19 ± 2.1	17 ± 0.3	34 ± 1.2	26 ± 2.4
100.0	19 ± 1.5	18 ± 1.5	26 ± 2.1	26 ± 3.8	30 ± 1.8
333.0	16 ± 1.5	16 ± 2.9	25 ± 3.2	23 ± 2.2	30 ± 2.0
1000.0	15 ± 0.6	13 ± 2.1	29 ± 0.3	31 ± 2.9	30 ± 4.8
3333.0	12 ± 1.9	11 ± 1.8	29 ± 1.8	20 ± 0.9	24 ± 2.3
6666.0		7 ± 1.5	20 ± 2.0		23 ± 1.5
10000.0	7 ± 1.2			12 ± 1.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					452 ± 37.6
Positive Control ³			335 ± 15.5	160 ± 2.7	
Positive Control ⁹	538 ± 10.7	523 ± 10.1			

Experiment Number: 778282
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: C.I. Pigment yellow 100
CAS Number: 12225-21-7

Date Report Requested: 09/18/2018
Time Report Requested: 00:54:25

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	37 ± 1.2
100.0	31 ± 3.0
333.0	28 ± 2.3
1000.0	27 ± 2.6
3333.0	21 ± 2.2
6666.0	
10000.0	17 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	373 ± 19.3
Positive Control ⁹	

Experiment Number: 778282

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: C.I. Pigment yellow 100

CAS Number: 12225-21-7

Date Report Requested: 09/18/2018

Time Report Requested: 00:54:25

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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate Sodium Azide
- 5: 2.0 ug/Plate 2-Aminoanthracene
- 6: 2.5 ug/Plate 2-Aminoanthracene
- 7: 5.0 ug/Plate 2-Aminoanthracene
- 8: 50.0 ug/Plate 9-Aminoacridine
- 9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****