

Experiment Number: 096923

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Poly(2-hydroxypropyl methacrylate)

CAS Number: 25703-79-1

Date Report Requested: 09/11/2018

Time Report Requested: 12:46:07

NTP Study Number:

096923

Study Result:

Negative

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Date Report Requested: 09/11/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	99 ± 2.6	128 ± 5.9	133 ± 3.8	141 ± 2.9	125 ± 8.5
100.0	116 ± 0.6	111 ± 0.6	125 ± 3.6	148 ± 12.5	109 ± 5.5
333.0	107 ± 1.9	117 ± 2.7	124 ± 6.5	163 ± 2.2	113 ± 10.5
1000.0	99 ± 4.7	113 ± 5.9	117 ± 1.5	145 ± 9.2	121 ± 1.5
3333.0	96 ± 4.6	124 ± 1.7	122 ± 3.2	168 ± 3.8	116 ± 0.7
10000.0	102 ± 1.2	122 ± 19.7	115 ± 5.5	152 ± 11.5	99 ± 6.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					315 ± 3.2
Positive Control ³			242 ± 7.6		
Positive Control ⁴				332 ± 9.1	
Positive Control ⁵	540 ± 23.9	969 ± 29.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	141 ± 7.9
100.0	127 ± 8.6
333.0	132 ± 5.3
1000.0	121 ± 5.9
3333.0	130 ± 6.8
10000.0	125 ± 7.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	347 ± 25.0
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.5	11 ± 1.3	12 ± 0.9	14 ± 1.9	11 ± 0.7
100.0	15 ± 0.3	13 ± 1.3	16 ± 0.9	17 ± 2.2	10 ± 1.0
333.0	17 ± 1.5	10 ± 1.2	13 ± 2.4	13 ± 2.0	10 ± 1.2
1000.0	15 ± 0.7	13 ± 0.3	11 ± 1.5	16 ± 2.1	13 ± 0.7
3333.0	16 ± 1.2	14 ± 2.4	11 ± 1.2	13 ± 3.4	11 ± 1.2
10000.0	14 ± 2.2	15 ± 1.2	10 ± 2.0	18 ± 0.9	10 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					90 ± 8.3
Positive Control ⁴			91 ± 1.9		
Positive Control ⁵	1145 ± 28.1	850 ± 33.5			
Positive Control ⁶				161 ± 7.5	

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Test Compound: Poly(2-hydroxypropyl methacrylate)
CAS Number: 25703-79-1

Date Report Requested: 09/11/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.2
100.0	15 ± 1.5
333.0	11 ± 2.1
1000.0	16 ± 1.7
3333.0	13 ± 1.5
10000.0	13 ± 1.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	266 ± 3.4
Positive Control ⁵	
Positive Control ⁶	

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G06: Ames Summary Data

Test Compound: Poly(2-hydroxypropyl methacrylate)

CAS Number: 25703-79-1

Date Report Requested: 09/11/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	126 ± 1.8	116 ± 3.4	122 ± 4.7	160 ± 4.7	111 ± 7.0
100.0	132 ± 3.0	122 ± 0.9	130 ± 1.2	162 ± 4.3	125 ± 5.0
333.0	131 ± 2.9	127 ± 4.9	133 ± 4.4	177 ± 5.5	116 ± 7.4
1000.0	129 ± 0.3	123 ± 2.0	136 ± 5.2	179 ± 10.2	116 ± 6.7
3333.0	139 ± 9.3	129 ± 5.2	144 ± 13.9	170 ± 3.8	124 ± 5.8
10000.0	113 ± 1.0	123 ± 2.3	124 ± 1.2	161 ± 5.6	127 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					421 ± 14.2
Positive Control ³			374 ± 12.3		
Positive Control ⁴				368 ± 12.8	
Positive Control ⁷	470 ± 20.0	310 ± 4.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	148 ± 4.2
100.0	159 ± 2.8
333.0	169 ± 5.0
1000.0	148 ± 2.1
3333.0	158 ± 4.1
10000.0	153 ± 0.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	323 ± 11.4
Positive Control ⁴	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.5	17 ± 1.5	23 ± 3.2	32 ± 2.0	22 ± 0.9
0.0	0 ± 0.0				
100.0	20 ± 4.4	17 ± 1.7	25 ± 2.2	34 ± 2.1	25 ± 2.1
333.0	24 ± 3.7	16 ± 1.2	19 ± 1.2	33 ± 2.4	25 ± 3.0
1000.0	24 ± 2.5	10 ± 1.2	20 ± 1.0	27 ± 4.4	20 ± 0.9
3333.0	26 ± 1.5	17 ± 0.7	16 ± 1.5	25 ± 5.5	19 ± 0.0
10000.0	23 ± 2.2	13 ± 0.6	19 ± 0.6	29 ± 3.0	19 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					234 ± 8.0
Positive Control ³			138 ± 7.1		
Positive Control ⁴				351 ± 12.7	
Positive Control ⁸	425 ± 11.5	294 ± 9.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 2.9
0.0	
100.0	31 ± 3.5
333.0	23 ± 4.4
1000.0	28 ± 4.6
3333.0	24 ± 1.3
10000.0	28 ± 2.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	346 ± 13.9
Positive Control ⁴	
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****