

Experiment Number: **G88205B**

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

G06: Ames Summary Data

Test Compound: **Glyphosate isopropylamine**

CAS Number: **38641-94-0**

Date Report Requested: **05/14/2021**

Time Report Requested: **13:13:29**

NTP Study Number:

G88205B

Study Result:

Negative

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Strain: TA100

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	87.3 ± 4.3	136.3 ± 3.7	81 ± 6.4	109.7 ± 5.8
200	86.3 ± 4.8	144 ± 5.6	82.3 ± 7.1	134.7 ± 4.4
500	76.3 ± 3.8	137.3 ± 11.2	82.3 ± 6.9	115.3 ± 6.1
1500	95.3 ± 6.2	175.3 ± 26.1	80.7 ± 1.5	152 ± 20.1
3000	62.3 ± 8.7	129 ± 5.5	86.7 ± 7.3	156 ± 21.1
6000	81.3 ± 3.4	116.3 ± 4.4	89 ± 7.6	161.3 ± 22.2
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control ²	491.7 ± 75.1	479.7 ± 7.3		
Positive Control ³			669.3 ± 12.6	930.7 ± 47.1

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Strain: TA1535

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	15.3 ± 2.2	18.3 ± 2.2	8.7 ± 1.3	16 ± 4.0
200	14 ± 2.0	16.3 ± 1.7	10.7 ± 1.2	19.3 ± 5.0
500	8.3 ± 0.3	18.3 ± 2.6	11.3 ± 0.7	14.3 ± 1.7
1500	14.3 ± 2.2	15 ± 4.9	10 ± 3.8	14 ± 3.5
3000	11 ± 4.0	18.7 ± 1.5	8.7 ± 0.3	15 ± 1.0
6000	13.7 ± 4.4	16.7 ± 2.3	14.7 ± 1.2	13.7 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	573 ± 7.6	356 ± 15.5		
Positive Control ⁴			264 ± 2.1	322.7 ± 76.1

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Strain: TA97a

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	90.3 ± 3.4	113.3 ± 10.2	155.7 ± 3.0	58.3 ± 13.7
200	102 ± 12.9	116 ± 4.7	136.7 ± 13.0	62 ± 5.3
500	90.7 ± 3.2	89 ± 8.9	139.7 ± 5.5	49 ± 3.1
1500	88.3 ± 2.2	93 ± 7.0	126.3 ± 6.2	107.7 ± 13.7
3000	98 ± 9.2	85.3 ± 2.8	143.7 ± 3.5	77.7 ± 6.6
6000	87.3 ± 9.3	58 ± 13.5	141.7 ± 8.2	50.3 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1634.7 ± 38.7	975.3 ± 23.7
Positive Control ⁵	3010.7 ± 44.0	2239.3 ± 86.7		

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Strain: TA98

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	28 ± 6.1	19.3 ± 1.9	35 ± 7.0	22 ± 2.9
200	24.3 ± 2.7	20 ± 0.0	36.7 ± 6.5	34 ± 4.2
500	27.3 ± 3.8	33.3 ± 8.6	26 ± 2.6	29 ± 4.4
1500	30 ± 4.4	21.3 ± 0.9	34.7 ± 4.6	22.7 ± 2.0
3000	32.3 ± 1.2	24 ± 2.5	33 ± 3.8	17.3 ± 3.5
6000	30.7 ± 4.8	22.3 ± 0.3	31.7 ± 2.3	19.3 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1952.7 ± 165.9	2558.3 ± 193.8
Positive Control ⁷	106.7 ± 6.2	526.3 ± 25.9		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	135.7 ± 11.6	195.3 ± 1.5	158.3 ± 6.4	140.7 ± 7.1
200	156 ± 7.5	183.3 ± 4.1	192.7 ± 3.2	139 ± 1.0
500	145.3 ± 4.1	119.3 ± 5.2	180 ± 3.5	143.3 ± 11.5
1500	153.7 ± 12.3	151 ± 5.0	178.3 ± 12.1	142.7 ± 4.8
3000	168.7 ± 11.0	197 ± 19.3	188.7 ± 9.2	235 ± 9.0
6000	199.3 ± 10.4	274.7 ± 6.9	150.7 ± 15.2	172 ± 23.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸			1094.3 ± 27.7	1181.7 ± 34.8
Positive Control ⁹	2280.3 ± 237.1	3574.7 ± 70.7		

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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

The S9 fraction refers to the liver unless otherwise indicated

1: Vehicle Control: Water

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2.5 ug/plate 2-Aminoanthracene

5: 0.25 ug/plate ICR191

6: 2 ug/plate 2-Aminoanthracene

7: 3 ug/plate 2-Nitrofluorene

8: 20 ug/plate 2-Aminoanthracene

9: 0.25 ug/plate 4-Nitroquinoline-N-oxide

**** END OF REPORT ****