

Experiment Number: **G18029B**

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

G06: Ames Summary Data

Test Compound: **Roundup WeatherMax**

CAS Number: **ROUNDUPWEATHERMAX**

Date Report Requested: **08/17/2021**

Time Report Requested: **16:56:42**

NTP Study Number:

G18029B

Study Result:

Negative

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Strain: TA100				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	100.7 ± 5.8	80.3 ± 5.9	94.3 ± 2.6	100.3 ± 6.7
1:102400	77.3 ± 10.4	103.3 ± 3.2		
1:51200	76 ± 4.2	102.7 ± 2.9		
1:25600	85.7 ± 2.7	87.3 ± 6.8		
1:12800	83.3 ± 2.3	111 ± 9.5	96.7 ± 2.3	108 ± 6.9
1:6400	51.3 ± 15.4	0 ± 0.0	103 ± 7.9	108 ± 5.0
1:3200	0 ± 0.0 ^s	0 ± 0.0	91.7 ± 1.2	99.7 ± 1.8
1:1600			100.3 ± 3.2	78.3 ± 4.7
1:800			99.3 ± 4.4	0 ± 0.0
1:400			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	403.3 ± 28.6	452 ± 31.8		
Positive Control ³			180 ± 8.3	879 ± 134.2

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Strain: TA1535

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12 ± 1.0	10.7 ± 1.5	12.7 ± 2.7	12 ± 2.0
1:102400	13 ± 3.2	22.3 ± 3.5		
1:51200	13 ± 1.5	13.3 ± 2.8		
1:25600	14.3 ± 3.0	19.3 ± 3.8		
1:12800	10.3 ± 0.9	11.3 ± 2.2	13 ± 3.2	12.3 ± 4.9
1:6400	3 ± 3.0	2.7 ± 2.7	8 ± 2.0	8 ± 0.0
1:3200	0 ± 0.0 ^s	3 ± 3.0	11.3 ± 1.5	10 ± 2.3
1:1600			9 ± 2.5	12.7 ± 0.3
1:800			2.7 ± 0.9	7.7 ± 1.2
1:400			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Equivocal	Negative	Negative
Positive Control ²	612.7 ± 12.0	497.3 ± 17.3		
Positive Control ⁴			224 ± 15.6	244.7 ± 17.0

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Strain: TA97a				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	135.7 ± 6.7	128 ± 17.5	137.3 ± 14.4	157.3 ± 7.1
1:102400	125 ± 11.2	86 ± 13.2		
1:51200	131.3 ± 5.0	98 ± 10.5		
1:25600	115.7 ± 6.4	106 ± 5.0		
1:12800	96.3 ± 7.4	105.7 ± 3.3	153.7 ± 6.1	129 ± 4.2
1:6400	45 ± 23.3	19 ± 19.0	163 ± 8.0	149.7 ± 9.9
1:3200	0 ± 0.0	0 ± 0.0	141.3 ± 7.2	118.3 ± 5.3
1:1600			127 ± 7.2	111.7 ± 10.7
1:800			48 ± 1.5	36.3 ± 18.4
1:400			0 ± 0.0 ^s	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	2932 ± 132.5	3023.3 ± 326.0		
Positive Control ⁴			1706.3 ± 25.4	1265.7 ± 44.6

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Strain: TA98				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	45.3 ± 6.2	62.3 ± 13.6	49.3 ± 6.1	43.7 ± 4.2
1:102400	34.7 ± 2.9	45.3 ± 1.8		
1:51200	48.7 ± 4.4	48.3 ± 3.2		
1:25600	33.7 ± 2.2	53.7 ± 5.2		
1:12800	35.3 ± 7.6	34.7 ± 4.1	43.3 ± 1.9	55.3 ± 3.5
1:6400	4.3 ± 4.3	3 ± 3.0	47 ± 2.9	52.3 ± 3.5
1:3200	6 ± 6.0	0 ± 0.0	42 ± 9.6	44 ± 3.5
1:1600			43.7 ± 4.7	33 ± 2.9
1:800			18.7 ± 0.9	7.3 ± 1.7
1:400			0 ± 0.0 ^s	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1653.3 ± 118.9	1991 ± 42.5
Positive Control ⁷	578 ± 30.5	408.3 ± 19.9		

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Strain: E. coli WP2 uvrA pKM101

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	161.3 ± 8.1	142.7 ± 11.6	158 ± 6.0	199.7 ± 6.0
1:51200	131.3 ± 5.2	120.3 ± 9.7		
1:25600	128.3 ± 2.0	139.3 ± 7.0		
1:12800	126.3 ± 1.3	143 ± 6.7		
1:6400	129.3 ± 9.4	152.3 ± 3.5	185.3 ± 6.6	177.7 ± 12.3
1:3200	73 ± 18.6	120.7 ± 7.1	208.7 ± 8.1	143.3 ± 7.3
1:1600	0 ± 0.0	34.3 ± 34.3	162.3 ± 44.8	176.3 ± 4.1
1:800			175.3 ± 6.4	181.3 ± 22.7
1:400			129.7 ± 7.5	179.3 ± 8.7
1:200			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	3294.3 ± 87.2	2412.7 ± 208.6		
Positive Control ⁹			1043.3 ± 96.3	1281 ± 37.4

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

9: 20 ug/plate 2-Aminoanthracene

s: Slight Toxicity

**** END OF REPORT ****