

Experiment Number: **G14013B**

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

G06: Ames Summary Data

Test Compound: **Crude MCHM**

CAS Number: **CRUDEMCHM**

Date Report Requested: **09/16/2018**

Time Report Requested: **04:08:50**

NTP Study Number:

G14013B

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	92 ± 3.2	88 ± 3.6	83 ± 5.5	79 ± 2.3
200.0	87 ± 5.2	80 ± 3.5	88 ± 8.5	95 ± 1.3
300.0	80 ± 2.9	98 ± 0.3	86 ± 5.8	97 ± 4.3
500.0	63 ± 7.8	89 ± 5.2	88 ± 7.3	88 ± 8.3
625.0	64 ± 4.5	85 ± 2.8	77 ± 4.8	102 ± 4.7
750.0	64 ± 0.9	82 ± 4.8	77 ± 4.0	78 ± 3.3
1000.0	40 ± 7.1 ^s	61 ± 11.5 ^s	78 ± 5.6	70 ± 13.1
2000.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	573 ± 20.3	678 ± 111.0		
Positive Control ³			812 ± 30.9	621 ± 21.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	19 ± 2.8	18 ± 0.0	18 ± 1.5	15 ± 0.7
200.0	16 ± 2.5	17 ± 3.8	20 ± 2.1	28 ± 2.7
300.0	18 ± 3.3	20 ± 2.3	23 ± 1.2	27 ± 4.0
500.0	19 ± 3.0	16 ± 1.5	23 ± 3.2	23 ± 5.3
625.0	13 ± 1.9	17 ± 0.3	16 ± 1.5	16 ± 1.5
750.0	16 ± 0.9	13 ± 2.2	19 ± 2.3	19 ± 3.1
1000.0	11 ± 3.8	11 ± 2.0 ^s	20 ± 0.7	16 ± 1.8
2000.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1323 ± 38.6	1109 ± 12.4
Positive Control ⁵	703 ± 5.2	657 ± 46.2		

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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	109 ± 11.9	150 ± 4.7	147 ± 10.2	156 ± 5.2
200.0	97 ± 8.2	135 ± 7.2		
300.0	112 ± 5.2	138 ± 0.7	137 ± 2.0	162 ± 12.7
500.0	109 ± 10.6	143 ± 7.4	142 ± 2.2	159 ± 4.7
625.0	96 ± 1.7	133 ± 0.0	138 ± 4.3	169 ± 6.7
750.0	93 ± 5.8	133 ± 14.0	126 ± 10.8	164 ± 10.8
1000.0	87 ± 11.4	111 ± 6.9	133 ± 6.7	131 ± 1.7
2000.0	Toxic	Toxic	Toxic	Toxic
4000.0			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1688 ± 15.9	1753 ± 58.1		
Positive Control ⁷			1157 ± 35.7	1265 ± 35.2

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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: 1.0 ug/Plate Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

s: Slight Toxicity

**** END OF REPORT ****