

Experiment Number: **A83619**

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

G06: Ames Summary Data

Test Compound: **Metal working fluids (Superedge 6768)**

CAS Number: **SUPEREDG6768**

Date Report Requested: **09/18/2018**

Time Report Requested: **10:42:03**

NTP Study Number:

A83619

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	59 ± 7.5	63 ± 4.4	47 ± 0.6	69 ± 6.1	37 ± 4.3
250.0		68 ± 5.0		64 ± 9.3	
500.0		64 ± 8.4		68 ± 0.6	
1000.0		83 ± 8.8		73 ± 6.3	
2000.0	38 ± 2.3	68 ± 8.7	128 ± 7.2	88 ± 3.4	79 ± 8.8
4000.0	30 ± 6.7	70 ± 2.9	132 ± 11.2	96 ± 3.3	74 ± 8.1
6000.0	20 ± 0.7	65 ± 2.7	122 ± 12.1	131 ± 5.9	134 ± 1.8
8000.0	20 ± 3.0		127 ± 5.7		149 ± 4.7
10000.0	19 ± 1.2		137 ± 12.7		158 ± 11.4
Trial Summary	Negative	Negative	Positive	Positive	Positive
Positive Control ²	354 ± 13.0	495 ± 6.7			
Positive Control ³			598 ± 18.6	560 ± 48.2	617 ± 22.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 3.8	16 ± 3.5	27 ± 7.0	20 ± 1.2	22 ± 3.1
250.0		13 ± 0.9		20 ± 1.8	
500.0		14 ± 1.7		15 ± 3.2	
1000.0		12 ± 1.0		17 ± 2.7	
2000.0	14 ± 2.0	18 ± 2.3	43 ± 4.2	24 ± 1.3	28 ± 1.2
4000.0	16 ± 2.2	18 ± 3.8	56 ± 2.3	25 ± 2.8	33 ± 6.1
6000.0	5 ± 1.7	14 ± 2.3	51 ± 9.9	17 ± 3.8	43 ± 3.5
8000.0	9 ± 1.5		55 ± 2.6		40 ± 0.7
10000.0	3 ± 1.7		26 ± 6.5		35 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Positive
Positive Control ³			911 ± 9.0	657 ± 18.6	695 ± 11.9
Positive Control ⁴	412 ± 20.0	323 ± 11.7			

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ⁵		190 ± 6.7	
Vehicle Control ¹	201 ± 6.8		219 ± 10.1
250.0			246 ± 8.5
500.0			271 ± 8.4
1000.0			315 ± 29.7
2000.0	567 ± 37.2	607 ± 17.4	251 ± 14.2
4000.0	282 ± 13.2	433 ± 11.9	346 ± 8.4
6000.0	240 ± 31.3	440 ± 11.7	398 ± 20.1
8000.0	197 ± 13.1	430 ± 17.7	
10000.0	260 ± 36.9	464 ± 16.2	
Trial Summary	Negative	Positive	Positive
Positive Control ⁶		731 ± 27.5	732 ± 14.4
Positive Control ⁷	731 ± 27.5		

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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: Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: Vehicle Control: Methyl Ethyl Ketone

6: 20.0 ug/Plate 2-Aminoanthracene

7: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****