Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

CAS Number: **13765-19-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:14:59**

NTP Study Number: 031234

Study Result: Positive

Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

CAS Number: **13765-19-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:14:59**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	108 ± 1.7	111 ± 7.3	137 ± 6.6	121 ± 5.0	127 ± 6.3
1.0	138 ± 8.2	115 ± 8.5			122 ± 4.6
3.0	149 ± 7.8	133 ± 4.4	148 ± 6.5		146 ± 15.7
6.0		152 ± 13.9			
10.0	217 ± 9.1	173 ± 10.4	148 ± 15.4	117 ± 8.0	127 ± 13.6
16.0		207 ± 9.8			
33.0	81 ± 22.6[s]		143 ± 17.0	130 ± 5.2	186 ± 6.4
66.0				125 ± 1.2	
100.0	Toxic		297 ± 26.6	233 ± 7.6	468 ± 20.8
166.0				335 ± 28.6	
333.0			0 ± 0.0[s]		
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]			321 ± 2.1	352 ± 26.3	551 ± 39.9
Positive Control[3]	258 ± 7.8	274 ± 6.4			

Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

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Date Report Requested: **09/14/2018**

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	114 ± 13.6
1.0	
3.0	
6.0	
10.0	131 ± 6.3
16.0	124 ± 22.8
33.0	156 ± 15.3
66.0	177 ± 19.0
100.0	359 ± 38.7
166.0	
333.0	
Trial Summary	Positive
Positive Control[2]	718 ± 68.9
Positive Control[3]	

Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

CAS Number: **13765-19-0**

Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 0.9	9 ± 1.8	9 ± 2.7
1.0	20 ± 2.3		12 ± 1.7
3.0	18 ± 1.5	15 ± 0.7	9 ± 2.3
10.0	5 ± 0.7	12 ± 3.5	11 ± 3.9
33.0	1 ± 0.0[s]	11 ± 1.2	14 ± 0.9
100.0	Toxic	8 ± 2.0	5 ± 2.7
333.0		1 ± 0.7[s]	
Trial Summary	Negative	Negative	Negative
Positive Control[3]	202 ± 2.4		
Positive Control[4]		159 ± 3.2	216 ± 4.5

Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

CAS Number: **13765-19-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:14:59**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.8	6 ± 0.7	6 ± 1.8
1.0	8 ± 1.2		11 ± 4.4
3.0	6 ± 1.5	9 ± 0.6	11 ± 1.0
10.0	9 ± 0.9	9 ± 1.5	7 ± 0.9
33.0	1 ± 0.0[s]	9 ± 3.2	10 ± 1.3
100.0	Toxic	12 ± 2.5	8 ± 1.3
333.0		10 ± 5.5	
Trial Summary	Negative	Negative	Negative
Positive Control[4]		155 ± 4.7	297 ± 43.6
Positive Control[5]	145 ± 21.7		

Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

CAS Number: **13765-19-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:14:59**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 1.5	25 ± 4.1	25 ± 4.7	20 ± 2.8	20 ± 2.4
1.0	21 ± 3.2				29 ± 1.2
3.0	18 ± 0.9	44 ± 6.7			30 ± 4.5
10.0	31 ± 3.8	37 ± 4.2	28 ± 2.2	25 ± 4.4	32 ± 2.2
33.0	2 ± 0.6[s]	38 ± 7.8	34 ± 5.3	27 ± 3.5	32 ± 2.6
66.0			28 ± 2.0	27 ± 3.8	
100.0	Toxic	51 ± 4.2	42 ± 1.2	32 ± 3.7	61 ± 9.8
166.0			6 ± 6.0[s]	29 ± 3.5	
333.0		20 ± 20.3[s]			
Trial Summary	Negative	Equivocal	Negative	Negative	Equivocal
Positive Control[2]		206 ± 49.5	254 ± 18.6	246 ± 10.4	514 ± 80.1
Positive Control[6]	696 ± 14.2				

Experiment Number: **031234**

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

G06: Ames Summary Data

Test Compound: **Calcium chromate**

CAS Number: **13765-19-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:14:59**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	36 ± 5.5	31 ± 4.1
1.0		
3.0		
10.0	31 ± 2.3	33 ± 2.0
33.0	39 ± 5.3	29 ± 4.6
66.0	47 ± 5.5	20 ± 2.5
100.0	18 ± 10.2	25 ± 5.7
166.0	0 ± 0.0[s]	3 ± 1.7
333.0		
Trial Summary	Negative	Negative
Positive Control[2]	551 ± 99.9	686 ± 25.0
Positive Control[6]		

LEGEND

Values given as Mean or Mean ± 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 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **