Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

NTP Study Number: A28503

Study Result: Negative

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	106 ± 3.8	101 ± 7.3	119 ± 4.6	127 ± 4.8	125 ± 11.7
1.0	82 ± 4.3	104 ± 8.7			
3.0	81 ± 4.2	125 ± 12.5			
10.0	87 ± 6.2	125 ± 4.3	126 ± 5.2	141 ± 12.6	131 ± 3.3
33.0	82 ± 9.7	81 ± 2.3	128 ± 8.3	120 ± 3.5	140 ± 13.5
100.0	60 ± 12.9[s]	Toxic	101 ± 12.8	110 ± 3.2	123 ± 4.9
333.0			77 ± 6.2[s]	97 ± 5.0	85 ± 6.6[s]
1000.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			766 ± 20.6		2030 ± 35.6
Positive Control[3]	436 ± 9.0	455 ± 21.8			
Positive Control[4]				490 ± 7.0	

Experiment Number: **A28503**

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Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	105 ± 7.7
1.0	
3.0	
10.0	125 ± 6.4
33.0	116 ± 3.5
100.0	111 ± 13.7
333.0	121 ± 5.2
1000.0	Toxic
Trial Summary	Negative
Positive Control[2]	737 ± 8.5
Positive Control[3]	
Positive Control[4]	

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 2.9	12 ± 2.9	20 ± 3.3	21 ± 2.0	19 ± 2.9
1.0	12 ± 3.2	14 ± 2.6			
3.0	10 ± 2.2	14 ± 0.6			
10.0	9 ± 2.3	10 ± 1.5	17 ± 1.7	15 ± 0.6	15 ± 2.8
33.0	4 ± 1.7	9 ± 2.3	16 ± 1.2	20 ± 4.6	15 ± 4.7
100.0	Toxic	Toxic	18 ± 1.8	Toxic	13 ± 2.6
333.0			12 ± 2.5	18 ± 1.0	10 ± 1.2
1000.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	343 ± 10.5	474 ± 8.8			
Positive Control[2]			87 ± 6.7	43 ± 3.3	241 ± 8.6

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	14 ± 3.2
1.0	
3.0	
10.0	16 ± 3.7
33.0	16 ± 4.3
100.0	15 ± 2.0
333.0	8 ± 0.7
1000.0	Toxic
Trial Summary	Negative
Positive Control[3]	
Positive Control[2]	326 ± 19.4

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	132 ± 5.4	130 ± 11.8	155 ± 2.3	201 ± 8.4	154 ± 10.3
1.0	114 ± 0.7	130 ± 6.3			
3.0	105 ± 7.9	144 ± 4.3			
10.0	96 ± 6.2	147 ± 6.2	155 ± 11.0	159 ± 13.0	153 ± 10.1
33.0	Toxic	131 ± 15.4	156 ± 7.5	223 ± 6.1	180 ± 8.0
100.0	Toxic	Toxic	146 ± 7.9	189 ± 11.9	144 ± 8.1
333.0			70 ± 9.1[s]	145 ± 2.5	112 ± 6.4
1000.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			592 ± 19.2		1193 ± 29.5
Positive Control[4]				443 ± 6.1	
Positive Control[5]	283 ± 7.5	336 ± 51.5			

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	236 ± 4.2
1.0	
3.0	
10.0	250 ± 3.2
33.0	221 ± 10.5
100.0	183 ± 13.0
333.0	162 ± 11.1
1000.0	Toxic
Trial Summary	Negative
Positive Control[2]	676 ± 5.2
Positive Control[4]	
Positive Control[5]	

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	31 ± 5.5	25 ± 0.6	35 ± 2.6	35 ± 2.3	32 ± 1.9
1.0	29 ± 1.9	30 ± 1.5			
3.0	31 ± 0.3	26 ± 3.5			
10.0	32 ± 4.5	29 ± 1.8	37 ± 2.3	25 ± 4.0	32 ± 0.7
33.0	30 ± 3.0	28 ± 1.2	26 ± 7.0	30 ± 0.7	38 ± 4.3
100.0	Toxic	20 ± 2.9	30 ± 0.9	24 ± 2.0	36 ± 3.7
333.0			31 ± 3.6	18 ± 1.7	29 ± 1.5
1000.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[6]	228 ± 16.5	214 ± 5.8			
Positive Control[2]			789 ± 2.7	246 ± 16.3	2477 ± 11.8

Experiment Number: **A28503**

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

G06: Ames Summary Data

Test Compound: **Cobalt naphthenate**

CAS Number: **61789-51-3**

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

Time Report Requested: **14:34:37**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	41 ± 7.3
1.0	
3.0	
10.0	33 ± 2.0
33.0	29 ± 6.9
100.0	33 ± 6.2
333.0	29 ± 0.6
1000.0	Toxic
Trial Summary	Negative
Positive Control[6]	
Positive Control[2]	919 ± 18.3

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: 95% Ethanol
2: 1.0 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate Sodium Azide
4: 2.0 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **