Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

NTP Study Number: 421607

Study Result: Negative

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	118 ± 1.2	122 ± 10.7	121 ± 8.8	133 ± 1.8	106 ± 12.7
85.4	111 ± 6.0	132 ± 5.6	128 ± 5.0	156 ± 4.0	118 ± 6.4
284.7	107 ± 14.0	115 ± 5.7	120 ± 7.4	123 ± 4.6	112 ± 4.7
854.0	111 ± 11.7	115 ± 13.2	140 ± 4.1	119 ± 9.5	113 ± 6.7
2846.7	127 ± 11.2	113 ± 6.7	121 ± 1.9	117 ± 5.0	108 ± 16.5
8540.0	Toxic	Toxic	71 ± 7.7[s]	72 ± 19.0[s]	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					2101 ± 19.1
Positive Control[3]			1959 ± 21.3	2561 ± 99.4	
Positive Control[4]	2008 ± 49.7	1578 ± 68.6			

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	131 ± 5.6
85.4	144 ± 3.4
284.7	132 ± 7.3
854.0	146 ± 11.1
2846.7	133 ± 6.4
8540.0	65 ± 4.7[s]
Trial Summary	Negative
Positive Control[2]	2930 ± 69.0
Positive Control[3]	
Positive Control[4]	

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	24 ± 2.1	15 ± 0.3	10 ± 1.8	9 ± 2.5	4 ± 0.7
85.4	19 ± 1.5	11 ± 0.7	8 ± 2.0	10 ± 1.8	8 ± 1.2
284.7	21 ± 1.2	15 ± 1.5	8 ± 3.3	10 ± 1.5	10 ± 3.8
854.0	22 ± 1.5	12 ± 1.3	7 ± 2.0	11 ± 1.5	8 ± 0.7
2846.7	19 ± 3.2	16 ± 2.0	8 ± 0.6	10 ± 0.7	10 ± 0.9
8540.0	Toxic	10 ± 1.5[s]	6 ± 1.5[s]	4 ± 1.0[s]	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					119 ± 11.5
Positive Control[3]			100 ± 14.1	138 ± 6.9	
Positive Control[4]	1507 ± 40.6	1188 ± 33.7			

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	10 ± 2.3
85.4	9 ± 1.7
284.7	8 ± 1.7
854.0	6 ± 0.6
2846.7	7 ± 0.9
8540.0	7 ± 0.3[s]
Trial Summary	Negative
Positive Control[2]	144 ± 11.0
Positive Control[3]	
Positive Control[4]	

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 1.5	3 ± 0.3	7 ± 0.9	6 ± 0.9	6 ± 0.9
85.4	8 ± 1.5	4 ± 1.5	8 ± 0.7	7 ± 0.9	7 ± 2.0
284.7	6 ± 2.0	3 ± 1.9	6 ± 0.7	5 ± 0.7	8 ± 2.1
854.0	7 ± 1.7	4 ± 1.5	6 ± 1.2	5 ± 1.5	7 ± 1.9
2846.7	6 ± 0.9	6 ± 0.9	9 ± 0.9	7 ± 1.5	7 ± 0.9
8540.0	3 ± 1.5[s]	9 ± 7.7[s]	4 ± 0.7[s]	5 ± 1.3	7 ± 0.9[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]				344 ± 24.9	233 ± 15.4
Positive Control[3]		166 ± 10.2	193 ± 5.5		
Positive Control[5]	410 ± 27.6				

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	18 ± 2.5	17 ± 0.9	23 ± 1.3	25 ± 3.2	19 ± 4.5
85.4	14 ± 1.3	15 ± 2.3	19 ± 2.1	19 ± 3.2	19 ± 3.8
284.7	14 ± 2.0	17 ± 2.2	14 ± 1.2	23 ± 5.0	24 ± 3.6
854.0	16 ± 0.6	16 ± 1.8	20 ± 5.5	15 ± 2.3	22 ± 3.2
2846.7	13 ± 1.5	14 ± 2.2	19 ± 2.4	22 ± 4.2	26 ± 2.4
8540.0	Toxic	Toxic	10 ± 1.5[s]	15 ± 1.5[s]	9 ± 2.1[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					2110 ± 100.2
Positive Control[3]			1686 ± 68.5	2029 ± 62.1	
Positive Control[6]	1931 ± 4.5	1191 ± 13.6			

Experiment Number: **421607**

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **05:24:57**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	20 ± 5.3
85.4	23 ± 2.6
284.7	23 ± 2.6
854.0	21 ± 0.6
2846.7	20 ± 1.7
8540.0	13 ± 0.6[s]
Trial Summary	Negative
Positive Control[2]	2862 ± 37.9
Positive Control[3]	
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: Water
2: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **