Experiment Number: **A91384**

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

G06: Ames Summary Data

Test Compound: **Pine bark extract**

CAS Number: **PINEBARKEXT**

Date Report Requested: **12/02/2020**

Time Report Requested: **14:30:30**

NTP Study Number: A91384

Study Result: Positive

Experiment Number: **A91384**

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

G06: Ames Summary Data

Test Compound: **Pine bark extract**

CAS Number: **PINEBARKEXT**

Date Report Requested: **12/02/2020**

Time Report Requested: **14:30:30**

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	177 ± 2.3	126 ± 9.3	107 ± 0.7	195 ± 6.0
333.0	168 ± 12.3	139 ± 18.4	112 ± 7.8	181 ± 26.1
1000.0	191 ± 5.9	208 ± 12.2	130 ± 4.9	210 ± 12.1
3333.0	194 ± 1.7[p]	216 ± 18.0[p]	142 ± 5.0[p]	214 ± 10.7[p]
6667.0	191 ± 6.2[p]	215 ± 9.9[p]	154 ± 9.0[p]	228 ± 21.0[p]
10000.0	226 ± 17.6[p]	237 ± 5.2[p]	169 ± 2.6[p]	193 ± 4.5[p]
Trial Summary	Negative	Weakly Positive	Weakly Positive	Negative
Positive Control[2]	406 ± 16.0			
Positive Control[3]				918 ± 55.2
Positive Control[4]		417 ± 10.6	403 ± 13.0	

Experiment Number: **A91384**

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G06: Ames Summary Data

Test Compound: **Pine bark extract**

CAS Number: **PINEBARKEXT**

Date Report Requested: **12/02/2020**

Time Report Requested: **14:30:30**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	14 ± 1.2	15 ± 1.5	17 ± 0.9	18 ± 2.9	22 ± 1.5
333.0	20 ± 2.3	18 ± 1.0	22 ± 0.6	22 ± 1.7	20 ± 3.3
1000.0	20 ± 4.6	17 ± 1.2	25 ± 3.7	18 ± 2.6	20 ± 3.6
3333.0	36 ± 3.3[p]	20 ± 0.3[p]	56 ± 5.6[p]	26 ± 1.2[p]	65 ± 4.5[p]
6667.0	48 ± 2.0[p]	22 ± 3.4[p]	81 ± 3.8[p]	29 ± 1.3[p]	59 ± 4.7[p]
10000.0	60 ± 1.5[p]	27 ± 1.7[p]	105 ± 4.1[p]	34 ± 2.3[p]	83 ± 14.4[p]
Trial Summary	Positive	Weakly Positive	Positive	Weakly Positive	Positive
Positive Control[3]			228 ± 14.5	155 ± 10.2	803 ± 9.0
Positive Control[5]	103 ± 2.8	93 ± 26.5			

Experiment Number: **A91384**

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

G06: Ames Summary Data

Test Compound: **Pine bark extract**

CAS Number: **PINEBARKEXT**

Date Report Requested: **12/02/2020**

Time Report Requested: **14:30:30**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	17 ± 0.9
333.0	19 ± 0.6
1000.0	20 ± 0.3
3333.0	22 ± 0.9[p]
6667.0	28 ± 1.9[p]
10000.0	29 ± 0.6[p]
Trial Summary	Weakly Positive
Positive Control[3]	511 ± 7.7
Positive Control[5]	

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
The S9 fraction refers to the liver unless otherwise indicated
1: Vehicle Control: Water
2: 0.5 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **