Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

NTP Study Number: 613844

Study Result: Negative

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	97 ± 6.1	104 ± 9.5	85 ± 6.5	104 ± 2.6	112 ± 13.1
3.0		121 ± 8.6			
10.0	104 ± 5.1	118 ± 6.5	99 ± 9.6	140 ± 5.5	113 ± 9.1
33.0	102 ± 7.9	118 ± 3.0	115 ± 7.2	138 ± 10.1	126 ± 6.7
100.0	97 ± 5.1	109 ± 12.8	98 ± 3.8	125 ± 8.4	130 ± 11.9
333.0	66 ± 8.5[p]	88 ± 0.9[p]	85 ± 0.9	124 ± 15.2	106 ± 5.3
1000.0	12 ± 9.1[s]		21 ± 7.2[s]	56 ± 4.9[s]	12 ± 6.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			504 ± 29.3	335 ± 6.4	1506 ± 62.8
Positive Control[3]	322 ± 9.3	235 ± 6.4			

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	117 ± 8.8
3.0	
10.0	128 ± 12.0
33.0	146 ± 9.0
100.0	135 ± 9.8
333.0	106 ± 9.3
1000.0	16 ± 4.5[s]
Trial Summary	Negative
Positive Control[2]	1207 ± 26.5
Positive Control[3]	

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 0.7	20 ± 2.3	5 ± 1.3	10 ± 2.5	9 ± 3.2
3.0		22 ± 3.8			
10.0	25 ± 2.0	24 ± 1.7	11 ± 3.5	7 ± 0.7	9 ± 1.5
33.0	22 ± 4.4	26 ± 2.3	9 ± 2.1	9 ± 2.4	6 ± 0.3
100.0	14 ± 1.0	19 ± 4.4	8 ± 0.7	11 ± 3.0	9 ± 2.2
333.0	8 ± 2.0[p]	14 ± 3.5[p]	7 ± 3.1	5 ± 1.7	5 ± 1.5
1000.0	2 ± 0.7[p]		2 ± 0.3[s]	5 ± 0.7	0 ± 0.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]	334 ± 10.6	288 ± 25.5			
Positive Control[4]			185 ± 10.4	148 ± 14.7	396 ± 5.3

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.7
3.0	
10.0	6 ± 1.5
33.0	11 ± 2.0
100.0	7 ± 1.2
333.0	6 ± 1.5
1000.0	1 ± 1.0[s]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	460 ± 10.7

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 0.0	3 ± 0.7	10 ± 3.2	5 ± 1.5	8 ± 1.3
3.0		7 ± 3.7			
10.0	4 ± 1.2	6 ± 0.3	8 ± 3.2	8 ± 1.9	5 ± 0.7
33.0	3 ± 0.6	4 ± 1.2	4 ± 0.7	10 ± 1.5	4 ± 0.9
100.0	4 ± 1.5	3 ± 0.9	6 ± 2.6	7 ± 2.5	9 ± 2.7
333.0	2 ± 0.9[p]	4 ± 0.0[p]	4 ± 1.8	7 ± 0.6	5 ± 1.0
1000.0	2 ± 0.9[p]		1 ± 0.3[s]	4 ± 1.5	1 ± 1.0[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			142 ± 8.6	99 ± 19.2	400 ± 16.2
Positive Control[5]	143 ± 15.1	145 ± 17.8			

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	6 ± 0.7
3.0	
10.0	8 ± 2.3
33.0	7 ± 1.7
100.0	5 ± 0.3
333.0	4 ± 0.6
1000.0	Toxic
Trial Summary	Negative
Positive Control[4]	341 ± 29.2
Positive Control[5]	

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 2.0	14 ± 2.9	24 ± 3.0	26 ± 1.9	21 ± 2.7
3.0		15 ± 4.1			
10.0	16 ± 1.2	20 ± 2.5	19 ± 1.2	25 ± 4.4	20 ± 4.7
33.0	12 ± 2.3	11 ± 3.8	19 ± 2.8	33 ± 2.7	17 ± 1.5
100.0	11 ± 1.2	11 ± 1.7	21 ± 5.6	34 ± 4.7	21 ± 2.6
333.0	6 ± 1.2[p]	6 ± 1.8[p]	14 ± 0.7	22 ± 2.1	16 ± 2.7
1000.0	3 ± 1.0[s]		14 ± 3.4	19 ± 3.5	11 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			194 ± 9.3	291 ± 18.6	1126 ± 35.9
Positive Control[6]	707 ± 19.1	642 ± 49.4			

Experiment Number: **613844**

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

G06: Ames Summary Data

Test Compound: **2-Hydroxy-4-methoxybenzophenone**

CAS Number: **131-57-7**

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

Time Report Requested: **07:09:32**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	33 ± 2.7
3.0	
10.0	27 ± 2.8
33.0	27 ± 1.8
100.0	20 ± 3.0
333.0	15 ± 3.2
1000.0	9 ± 2.4[s]
Trial Summary	Negative
Positive Control[2]	579 ± 25.8
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
p: Precipitate
s: Slight Toxicity

** END OF REPORT **