

Experiment Number: **G10260**

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

**G06: Ames Summary Data**

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

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

Date Report Requested: **10/04/2018**

Time Report Requested: **15:36:16**

**NTP Study Number:**

G10260

**Study Result:**

Negative

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**Strain: TA100**

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<b>Dose (ug/plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	92.7 ± 4.1	111.7 ± 10.7	101.7 ± 1.3	156.3 ± 3.3
20	95 ± 9.2	120.3 ± 9.8		
50	86.7 ± 2.9	115 ± 6.0	99.7 ± 1.9	157.7 ± 7.9
125	82.3 ± 4.9	126 ± 4.6	88 ± 9.6	147.3 ± 10.3
250	80.7 ± 4.3	83.3 ± 1.9 <sup>P</sup>	76.7 ± 2.0	128 ± 15.2
500	56 ± 4.0	51.3 ± 6.0 <sup>P</sup>	58.3 ± 1.3	84.7 ± 6.7 <sup>P</sup>
1000	14.3 ± 1.9 <sup>P</sup>	54.3 ± 16.3 <sup>P</sup>	25.7 ± 3.3 <sup>P</sup>	55.7 ± 3.3 <sup>P</sup>
3000			30.3 ± 3.0 <sup>P</sup>	56.3 ± 3.4 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	658.3 ± 14.4	573.3 ± 10.4		
Positive Control <sup>3</sup>			542 ± 9.5	554 ± 20.1

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**Strain: TA98**

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<b>Dose (ug/plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	16.7 ± 2.9	17.7 ± 3.3	23.7 ± 4.6	22 ± 1.0
125	9 ± 1.7	10.3 ± 3.7	14.7 ± 2.4	27 ± 2.3
250	9.7 ± 0.7	15.7 ± 1.9	14.7 ± 0.7	17.7 ± 0.7
500	6 ± 1.5	10.3 ± 1.9	11.3 ± 2.3	14.3 ± 0.9
1000	2.7 ± 0.3 <sup>P</sup>	3.3 ± 0.3 <sup>P</sup>	12 ± 2.3	13 ± 1.7 <sup>P</sup>
3000	2 ± 0.6 <sup>P</sup>	2.3 ± 1.3 <sup>P</sup>	4.7 ± 1.5 <sup>P</sup>	12.3 ± 1.8 <sup>P</sup>
6000	2.3 ± 0.3 <sup>P</sup>	9.7 ± 1.5 <sup>P</sup>	10.7 ± 4.4 <sup>P</sup>	17.3 ± 0.3 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1485.7 ± 67.2	2016.7 ± 34.7
Positive Control <sup>5</sup>	537.7 ± 9.8	519 ± 24.6		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	116 ± 11.5	109.3 ± 9.5	155 ± 9.3	152.7 ± 4.2
125	106 ± 7.1	127.7 ± 10.3	161 ± 3.1	153 ± 6.1
250	118.7 ± 8.1	119.7 ± 9.2	145.3 ± 11.9	166.3 ± 11.7
500	99.7 ± 5.5	111.7 ± 6.2	137.3 ± 12.0	139 ± 9.5
1000	90.3 ± 2.8	106 ± 5.6	117 ± 8.0	109.7 ± 17.1 <sup>P</sup>
3000	86 ± 2.3 <sup>P</sup>	101 ± 7.2 <sup>P</sup>	105.3 ± 1.7	122.7 ± 5.0 <sup>P</sup>
6000	102 ± 11.2 <sup>P</sup>	116 ± 12.5 <sup>P</sup>	110.3 ± 16.4 <sup>P</sup>	97.3 ± 9.6 <sup>P</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	1751.3 ± 68.7	1984 ± 82.4		
Positive Control <sup>7</sup>			1391.3 ± 37.1	1178 ± 35.4

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### **LEGEND**

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Values given as Mean or Mean  $\pm$  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: DMSO

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2 ug/plate 2-Aminoanthracene

5: 3 ug/plate 2-Nitrofluorene

6: 0.25 ug/plate 4-Nitroquinoline-N-oxide

7: 20 ug/plate 2-Aminoanthracene

p: Precipitate

**\*\* END OF REPORT \*\***