

Study Number: MOG002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

I08: Mean Test Compound Consumption
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 12/13/2019
Time Report Requested: 13:27:42
Lab: RTI

C Number:

MOG002B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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F0 Females

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (ug/kg/animal/day)	N
Gestation	3 - 6	0.0 ± 0.0	22	213.3 ± 3.0	21	723.2 ± 14.3	22	2174.8 ± 50.1	20	3.7 ± 0.1	20
	6 - 9	0.0 ± 0.0	22	214.8 ± 3.6	21	842.9 ± 65.3	22	3898.8 ± 342.6	20	4.3 ± 0.5	20
	9 - 12	0.0 ± 0.0	22	215.5 ± 3.5	20	707.2 ± 18.4	22	2075.9 ± 72.4	20	2.8 ± 0.1	19
	12 - 15	0.0 ± 0.0	22	211.2 ± 3.0	21	695.8 ± 15.2	22	3117.2 ± 253.4	20	5.2 ± 0.6	19
	15 - 18	0.0 ± 0.0	22	214.0 ± 3.2	21	703.6 ± 8.1	22	2237.7 ± 29.7	20	3.4 ± 0.1	16
	18 - 21	0.0 ± 0.0	22	178.3 ± 4.3	21	591.5 ± 15.6	22	2179.9 ± 162.9	20	3.1 ± 0.2	19
	6 - 21	0.0 ± 0.0	22	204.5 ± 2.7	21	697.3 ± 15.4	22	2644.4 ± 109.2	20	3.8 ± 0.2	19
Lactation	1 - 4	0.0 ± 0.0	22	380.5 ± 13.3	21	1253.8 ± 45.6	21	4698.2 ± 409.8	20	7.5 ± 1.0	16
	4 - 7	0.0 ± 0.0	22	416.8 ± 13.4	21	1453.9 ± 29.6	22	4663.7 ± 252.4	18	6.8 ± 0.3	16
	7 - 10	0.0 ± 0.0	22	533.7 ± 11.5	20	1768.7 ± 38.9	22	5718.5 ± 235.7	20	9.4 ± 0.4	15
	10 - 13	0.0 ± 0.0	22	575.0 ± 12.6	19	1811.9 ± 47.3	22	6078.7 ± 252.1	20	9.9 ± 0.4	15
	1 - 13	0.0 ± 0.0	22	484.1 ± 8.9	19	1590.7 ± 29.6	22	5119.8 ± 216.3	18	8.4 ± 0.4	15

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F1 Males: All F1 Males

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Dose/Day (mg/kg/cage/day)	N	Dose/Day (mg/kg/cage/day)	N	Dose/Day (mg/kg/cage/day)	N	Dose/Day (mg/kg/cage/day)	N	Dose/Day (ug/kg/cage/day)	N
Postnatal	28 - 35	0.0 ± 0.0	30	376.2 ± 4.0	31	1373.9 ± 32.1	31	4353.7 ± 112.2	29	6.1 ± 0.1	20
	35 - 42	0.0 ± 0.0	30	353.1 ± 3.6	31	1269.3 ± 19.6	31	4259.7 ± 95.9	29	5.8 ± 0.1	19
	42 - 49	0.0 ± 0.0	31	312.2 ± 4.0	31	1101.6 ± 13.6	30	3859.1 ± 78.2	29	5.2 ± 0.1	19
	49 - 56	0.0 ± 0.0	31	280.0 ± 3.9	31	987.9 ± 15.4	30	3397.7 ± 88.5	29	4.8 ± 0.1	20
	56 - 63	0.0 ± 0.0	29	274.4 ± 6.2	28	931.7 ± 17.4	29	3107.2 ± 75.2	27	4.4 ± 0.1	19
	63 - 70	0.0 ± 0.0	29	244.9 ± 6.2	28	842.7 ± 15.0	29	2683.4 ± 60.7	27	4.3 ± 0.1	19
	70 - 77	0.0 ± 0.0	29	229.7 ± 4.6	28	843.4 ± 17.4	29	2593.0 ± 80.8	26	4.5 ± 0.2	20
	77 - 84	0.0 ± 0.0	29	233.9 ± 6.6	28	823.1 ± 14.0	28	2438.2 ± 70.0	25	4.1 ± 0.2	20
	84 - 91	0.0 ± 0.0	29	230.9 ± 8.7	29	808.7 ± 28.3	29	2325.5 ± 72.1	27	3.9 ± 0.1	20
	28 - 91	0.0 ± 0.0	29	267.1 ± 3.9	28	947.9 ± 10.4	28	3002.5 ± 53.9	26	4.6 ± 0.1	19

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F1 Females: All F1 Females

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Dose/Day (mg/kg/cage/day)	N	Dose/Day (mg/kg/cage/day)	N	Dose/Day (mg/kg/cage/day)	N	Dose/Day (mg/kg/cage/day)	N	Dose/Day (ug/kg/cage/day)	N
Postnatal	28 - 35	0.0 ± 0.0	33	367.6 ± 3.9	33	1301.3 ± 20.8	36	4436.3 ± 81.8	34	5.9 ± 0.1	20
	35 - 42	0.0 ± 0.0	30	341.9 ± 4.1	30	1203.3 ± 11.7	31	4085.6 ± 45.0	32	5.7 ± 0.1	20
	42 - 49	0.0 ± 0.0	30	308.2 ± 3.3	30	1108.5 ± 21.9	32	3844.4 ± 91.7	30	5.3 ± 0.1	19
	49 - 56	0.0 ± 0.0	30	290.4 ± 6.0	30	1011.8 ± 21.5	32	3726.4 ± 151.9	31	5.3 ± 0.2	19
	56 - 63	0.0 ± 0.0	28	303.9 ± 10.4	27	1009.2 ± 22.5	29	3771.0 ± 123.3	29	5.4 ± 0.3	20
	63 - 70	0.0 ± 0.0	27	257.6 ± 7.2	27	854.2 ± 18.9	28	3173.1 ± 107.3	28	5.4 ± 0.2	20
	70 - 77	0.0 ± 0.0	28	266.6 ± 6.9	28	933.1 ± 26.5	28	3234.9 ± 94.6	28	6.0 ± 0.3	20
	77 - 84	0.0 ± 0.0	26	253.2 ± 10.1	27	852.3 ± 21.6	29	3086.7 ± 115.6	28	5.2 ± 0.3	20
	84 - 91	0.0 ± 0.0	28	243.1 ± 8.9	27	806.2 ± 20.2	29	2977.7 ± 93.4	28	4.8 ± 0.3	20
	28 - 91	0.0 ± 0.0	27	286.5 ± 5.0	27	983.0 ± 15.3	26	3493.2 ± 65.5	27	5.4 ± 0.2	19

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F1 Females: Prenatal Female

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (ug/kg/animal/day)	N
Gestation	0 - 3	0.0 ± 0.0	18	240.9 ± 10.2	17	770.8 ± 25.1	13	3469.3 ± 296.3	16	5.8 ± 0.7	13
	3 - 6	0.0 ± 0.0	18	226.1 ± 4.8	17	836.5 ± 64.1	18	2419.5 ± 127.2	15	3.6 ± 0.1	14
	6 - 9	0.0 ± 0.0	18	230.5 ± 8.5	15	846.9 ± 45.1	16	3505.3 ± 209.5	17	5.6 ± 0.7	14
	9 - 12	0.0 ± 0.0	18	214.3 ± 3.8	17	749.4 ± 39.1	18	2251.1 ± 100.7	17	3.6 ± 0.1	15
	12 - 15	0.0 ± 0.0	17	230.4 ± 7.6	15	1001.6 ± 86.0	17	3805.7 ± 291.5	15	5.6 ± 0.5	15
	15 - 18	0.0 ± 0.0	18	218.7 ± 5.7	17	738.7 ± 28.0	17	2352.9 ± 137.2	15	5.1 ± 0.6	15
	18 - 21	0.0 ± 0.0	18	208.7 ± 7.5	16	869.4 ± 83.3	17	2186.0 ± 155.9	15	3.8 ± 0.2	15
	0 - 21	0.0 ± 0.0	17	224.2 ± 5.0	13	791.8 ± 25.2	14	2684.4 ± 107.5	14	4.6 ± 0.3	14

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F1 Males: Fertility Male

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (ug/kg/animal/day)	N
Postnatal	119 - 126	0.0 ± 0.0	35 (21)	210.9 ± 6.7	36 (20)	710.1 ± 20.2	34 (21)	2095.2 ± 71.0	33 (19)	3.2 ± 0.1	30 (15)
	126 - 133	0.0 ± 0.0	40 (22)	190.3 ± 5.6	38 (20)	679.5 ± 18.8	40 (21)	2101.1 ± 65.2	40 (20)	3.0 ± 0.1	30 (15)
	133 - 140	0.0 ± 0.0	40 (22)	188.8 ± 4.3	40 (20)	679.5 ± 15.7	40 (21)	2055.8 ± 60.0	39 (19)	3.1 ± 0.1	30 (15)
	119 - 140	0.0 ± 0.0	40 (22)	196.5 ± 4.6	40 (20)	688.7 ± 16.3	40 (21)	2105.1 ± 62.9	40 (20)	3.1 ± 0.1	30 (15)

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F1 Females: Fertility Female

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (ug/kg/animal/day)	N
Gestation	0 - 3	0.0 ± 0.0	31 (22)	294.7 ± 14.7	35 (20)	968.8 ± 45.4	31 (19)	3506.3 ± 159.9	26 (18)	5.1 ± 0.5	26 (15)
	3 - 6	0.0 ± 0.0	33 (22)	243.6 ± 5.2	36 (20)	787.4 ± 19.5	32 (19)	2436.1 ± 60.6	27 (18)	3.8 ± 0.2	27 (15)
	6 - 9	0.0 ± 0.0	32 (22)	304.0 ± 17.2	34 (20)	973.3 ± 45.0	28 (18)	3810.6 ± 270.2	26 (17)	5.6 ± 0.6	25 (15)
	9 - 12	0.0 ± 0.0	33 (22)	222.6 ± 4.0	36 (20)	709.3 ± 17.1	31 (19)	2226.8 ± 55.3	29 (19)	3.6 ± 0.0	28 (15)
	12 - 15	0.0 ± 0.0	32 (22)	285.5 ± 14.1	33 (19)	1044.0 ± 58.3	29 (18)	4013.7 ± 235.1	29 (18)	5.3 ± 0.5	27 (15)
	15 - 18	0.0 ± 0.0	33 (22)	218.0 ± 2.4	36 (20)	748.4 ± 14.1	30 (18)	2187.5 ± 63.4	31 (20)	3.9 ± 0.1	28 (15)
	18 - 21	0.0 ± 0.0	33 (22)	230.5 ± 10.9	36 (20)	833.0 ± 39.0	32 (19)	2814.5 ± 173.2	31 (20)	4.1 ± 0.2	28 (15)
	0 - 21	0.0 ± 0.0	33 (22)	252.8 ± 6.3	36 (20)	859.7 ± 23.2	31 (19)	2844.2 ± 79.2	27 (19)	4.4 ± 0.2	28 (15)
Lactation	1 - 4	0.0 ± 0.0	35 (22)	416.0 ± 22.2	35 (20)	1546.6 ± 108.5	30 (20)	5981.4 ± 319.2	32 (20)	8.1 ± 0.6	27 (15)
	4 - 7	0.0 ± 0.0	34 (22)	385.2 ± 19.6	36 (20)	1532.1 ± 85.3	30 (20)	5329.6 ± 336.2	32 (20)	8.2 ± 0.6	28 (15)
	7 - 10	0.0 ± 0.0	27 (19)	494.3 ± 19.9	27 (19)	1973.5 ± 117.7	23 (18)	7790.6 ± 393.9	23 (18)	10.4 ± 0.8	22 (15)
	10 - 13	0.0 ± 0.0	31 (20)	428.4 ± 20.4	35 (20)	1535.2 ± 56.0	32 (20)	4695.8 ± 246.2	29 (18)	8.9 ± 0.3	27 (15)
	1 - 13	0.0 ± 0.0	34 (21)	426.2 ± 13.5	35 (20)	1620.8 ± 60.0	32 (20)	5944.0 ± 268.8	32 (20)	8.9 ± 0.4	28 (15)

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LEGEND

Data are displayed as mean \pm SEM

Reported as the mean \pm SEM. N is the number of animals, number of cages for group housed adult animals or number of litters.

N is number of animals for the F0 generation and F1 Prenatal Female selection for gestation. N is the number of cages for the All F1 Males and All F1 Females selections.
N is the number of animals (number of litters) for the F1 Fertility Male selection from PND 119 through PND 140 and for the F1 Fertility Female selection during gestation and lactation.

Chemical intake values were excluded when excessive spillage was recorded.

Statistical analysis was not performed on this data.

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

"All" in the cohort/selection name includes all F1 animals of that sex, irrespective of cohort/selection.

F1 male animals allocated to the Prenatal cohort were necropsied on postnatal days 111 - 113 and the male animals allocated to the Fertility cohort were necropsied on postnatal days 153-155.

Decreases in N for the F0 Females data are as follows: LD 4 to 7 and LD 1 to 13, 2 values were outliers in the 30000 ppm group; LD 10 to 13 and LD 1 to 13, 1 value was an outlier in the 3000 ppm group.

Decreases in N for the All F1 Males data are as follows: PND 35 to 42 and PND 28 to 91, 1 value for the 0.5 EE ppm group; PND 42 to 49 and PND 28 to 91, 1 value each was an outlier in the 10000 ppm group and in the 0.5 EE ppm group; PND 49 to 56 and PND 28 to 91, 1 value was an outlier in the 10000 ppm group; PND 56 to 63 and PND 28 to 91, 1 value was an outlier in the 0.05 EE ppm group; PND 70 to 77 and PND 28 to 91, 1 value each was an outlier in the 3000 and 30000 ppm groups.

Decreases in N for the All F1 Females data are as follows: PND 35 to 42 and PND 28 to 91, 1 value was an outlier in the 10000 ppm group; PND 42 to 49 and PND 28 to 91, 1 value each was an outlier in the 0.5 EE ppm group and the 30000 ppm group; PND 63 to 70 and PND 28 to 91, 1 value each was an outlier in the 3000 ppm group and in the 10000 ppm group; PND 70 to 77 and PND 28 to 91, 1 value each was an outlier in the 10000 and 30000 ppm groups; PND 77 to 84 and PND 28 to 91, 1 value was an outlier in the 0 ppm group; PND 84 to 91 and PND 28 to 91, 1 value each was an outlier in the 3000 and 30000 ppm groups.

Decreases in N for the F1 Prenatal Female data are as follows: GD 0 to 3 and GD 0 to 21, 2 values were outliers in the 10000 ppm group; GD 3 to 6 and GD 0 to 21, 1 value each was an outlier in the 0.5 EE and 30000 ppm groups; GD 6 to 9 and GD 0 to 21, 2 values each were outliers in the 3000 and 10000 ppm groups; GD 12 to 15 and GD 0 to 21, 1 value was an outlier in the 0 ppm group 2 values were outliers in the 3000 ppm group; GD 15 to 18 and GD 0 to 21, 1 value was an outlier in the 10000 and 2 values were outliers in the 30000 ppm group; GD 18 to 21 and GD 0 to 21, 1 value was an outlier in the 30000 ppm group.

Decrease in N for the Fertility Female data are as follows: GD 3 to 6 and GD 0 to 21, 3 values were outliers in the 30000 ppm group; GD 9 to 12 and GD 0 to 21, 1 value was an outlier in the 30000 ppm group; GD 15 to 18 and GD 0 to 21, 1 value was an outlier in the 10000 ppm group.

Decreases in N for the F1 Fertility Female data are as follows: LD 7 to 10 and LD 1 to 13, 1 value each was an outlier in the 0 and 3000 ppm groups.

EE = Ethinyl estradiol

**** END OF REPORT ****