

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

I04G: Mean Body Weight Gain
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 12/13/2019
Time Report Requested: 12:14:57
Lab: RTI

C Number:

MOG002B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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

I04G: Mean Body Weight Gain
 Test Compound: 2-Hydroxy-4-methoxybenzophenone
 CAS Number: 131-57-7

Date Report Requested: 12/13/2019
 Time Report Requested: 12:14:57
 Lab: RTI

F0 Females

Treatment Groups (ppm)

Phase	Days	0		3000		10000		30000		0.05 ppm EE	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	3 - 6	14.6 ± 1.4	22	12.7 ± 1.2	21	14.3 ± 1.1	22	12.5 ± 1.0	20	15.0 ± 1.6	20
	6 - 9	13.7 ± 0.6 **	22	12.0 ± 0.9	21	10.5 ± 1.0 *	22	-1.0 ± 1.4 **	20	0.9 ± 1.1 **	20
	9 - 12	15.8 ± 0.9 *	22	15.0 ± 0.9	21	12.7 ± 0.7 *	22	13.5 ± 0.9	20	9.3 ± 0.8 **	19
	12 - 15	19.8 ± 0.8 *	22	18.8 ± 0.8	21	18.4 ± 0.8	22	17.2 ± 1.1	20	13.0 ± 0.9 **	19
	15 - 18	39.2 ± 1.4 **	22	40.2 ± 1.5	21	37.0 ± 1.4	22	34.5 ± 1.3 *	20	32.9 ± 2.6 *	19
	18 - 21	43.8 ± 1.7 **	22	41.3 ± 1.9	21	40.7 ± 1.4	21	35.1 ± 1.2 **	20	30.8 ± 1.7 **	19
	6 - 21	132.3 ± 3.0 **	22	127.1 ± 3.4	21	118.1 ± 3.2 **	21	99.3 ± 2.5 **	20	86.4 ± 3.8 **	19
Lactation	1 - 4	12.3 ± 1.6 **	22	17.7 ± 1.8	21	14.7 ± 1.8	22	3.3 ± 2.0 **	20	11.3 ± 2.2	18
	4 - 7	6.2 ± 1.5	22	3.3 ± 2.2	21	6.8 ± 2.4	22	8.2 ± 2.5	20	5.8 ± 3.3	16
	7 - 10	11.2 ± 1.6 *	22	13.9 ± 1.9	20	9.4 ± 1.4	22	5.4 ± 2.2	20	11.6 ± 2.9	15
	10 - 13	5.0 ± 1.1	22	5.2 ± 1.2	20	5.6 ± 1.2	22	3.5 ± 1.5	20	2.5 ± 2.6	15
	13 - 16	-1.8 ± 1.9	22	1.6 ± 1.3	20	2.4 ± 1.5	22	1.0 ± 1.6	20	2.9 ± 2.1	15
	16 - 19	-8.3 ± 2.7 **	22	-10.2 ± 1.4	20	-4.8 ± 2.1	22	-1.3 ± 1.8 *	20	-2.9 ± 1.8	15
	19 - 21	0.8 ± 2.0	22	-2.4 ± 2.1	20	-0.4 ± 1.8	22	1.6 ± 2.9	20	-1.2 ± 1.9	15
	21 - 25	-18.4 ± 3.4 **	22	-15.6 ± 3.6	20	-9.7 ± 2.3	22	-6.3 ± 4.5 *	20	-8.8 ± 2.3 *	15
	25 - 28	11.1 ± 3.8 **	22	8.5 ± 2.9	20	-1.4 ± 1.7 **	22	-2.8 ± 3.2 **	20	0.3 ± 2.5 *	15
	4 - 28	5.7 ± 2.7	22	4.2 ± 1.8	20	7.9 ± 1.9	22	9.4 ± 3.3	20	10.6 ± 2.5	15
1 - 28	18.0 ± 3.3	22	22.0 ± 2.4	20	22.6 ± 2.8	22	12.7 ± 3.2	20	23.8 ± 1.9	15	

Study Number: MOG002B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04G: Mean Body Weight Gain

Test Compound: 2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

Date Report Requested: 12/13/2019

Time Report Requested: 12:14:57

Lab: RTI

F1 Males: All F1 Males

Treatment Groups (ppm)

Phase	Days	0		3000		10000		30000		0.05 ppm EE	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
PND	28 - 35	48.5 ± 1.0 **	68 (22)	47.3 ± 1.5	65 (20)	43.4 ± 1.0 *	67 (21)	39.7 ± 1.9 **	65 (20)	40.4 ± 1.3 **	45 (15)
	35 - 42	54.6 ± 0.9 **	68 (22)	55.2 ± 1.5	65 (20)	52.4 ± 1.2	67 (21)	49.7 ± 1.2 *	65 (20)	43.9 ± 0.9 **	45 (15)
	42 - 49	51.2 ± 0.9 *	69 (22)	48.0 ± 1.5	65 (20)	46.8 ± 1.4 *	67 (21)	45.7 ± 0.9 **	65 (20)	36.8 ± 1.7 **	45 (15)
	49 - 56	44.3 ± 0.8 **	69 (22)	44.0 ± 1.3	65 (20)	45.0 ± 1.4	67 (21)	40.3 ± 1.1 *	65 (20)	36.7 ± 2.1 **	45 (15)
	56 - 63	31.4 ± 1.1	64 (22)	34.8 ± 1.4	60 (20)	34.3 ± 1.4	62 (21)	31.3 ± 1.7	60 (20)	27.1 ± 1.7 *	45 (15)
	63 - 70	21.3 ± 1.8 *	64 (22)	21.0 ± 1.0	60 (20)	25.4 ± 1.0	62 (21)	17.4 ± 2.4	60 (20)	18.3 ± 1.1	45 (15)
	70 - 77	17.5 ± 1.7	64 (22)	18.8 ± 1.4	60 (20)	14.6 ± 2.0	62 (21)	15.6 ± 2.4	60 (20)	12.9 ± 1.8	45 (15)
	77 - 84	19.4 ± 1.5	64 (22)	18.8 ± 2.1	60 (20)	19.4 ± 2.2	62 (21)	16.2 ± 2.0	60 (20)	16.5 ± 1.6	45 (15)
	84 - 91	17.0 ± 1.3 **	64 (22)	13.7 ± 1.7	60 (20)	11.6 ± 1.7 *	62 (21)	8.9 ± 1.1 **	60 (20)	12.0 ± 0.7 **	45 (15)
	91 - 105	21.5 ± 0.8 *	64 (22)	23.5 ± 1.2	60 (20)	26.3 ± 1.7	62 (21)	27.6 ± 2.9 *	60 (20)	17.6 ± 0.8 **	45 (15)
	28 - 105	326.7 ± 4.5 **	64 (22)	325.9 ± 3.9	60 (20)	319.2 ± 4.2	62 (21)	292.3 ± 5.2 **	60 (20)	262.2 ± 4.3 **	45 (15)
	105 - 112	13.0 ± 0.7	63 (22)	14.6 ± 1.3	59 (20)	13.2 ± 0.7	61 (21)	13.6 ± 0.9	56 (20)	10.1 ± 1.1 *	38 (15)
	112 - 119	12.6 ± 0.8	41 (22)	13.2 ± 1.0	40 (20)	10.8 ± 1.5	40 (21)	11.9 ± 1.0	40 (20)	10.8 ± 1.0	30 (15)
	119 - 126	12.2 ± 1.0	41 (22)	11.0 ± 0.6	40 (20)	12.9 ± 1.5	40 (21)	9.5 ± 0.9	40 (20)	8.5 ± 1.0 *	30 (15)
	126 - 133	11.1 ± 0.9	41 (22)	8.3 ± 1.0	40 (20)	6.8 ± 2.5	40 (21)	6.1 ± 0.6	40 (20)	6.4 ± 1.2 **	30 (15)
	133 - 140	7.5 ± 0.5	41 (22)	4.8 ± 1.8	40 (20)	10.1 ± 2.2	40 (21)	7.0 ± 1.7	40 (20)	7.2 ± 1.5	30 (15)
	140 - 147	8.9 ± 0.7 **	41 (22)	10.1 ± 1.5	40 (20)	6.9 ± 0.9	40 (21)	4.9 ± 1.2 *	40 (20)	5.2 ± 0.8 **	30 (15)
147 - 154	7.1 ± 1.1	34 (19)	8.4 ± 0.6	38 (19)	8.5 ± 0.5	39 (21)	9.0 ± 1.4	33 (18)	5.5 ± 0.8	23 (12)	
105 - 154	70.7 ± 2.8 *	34 (19)	68.0 ± 1.6	38 (19)	69.2 ± 1.9	39 (21)	62.4 ± 2.5 *	33 (18)	52.9 ± 3.2 **	23 (12)	
28 - 154	397.5 ± 5.9 **	34 (19)	393.2 ± 4.6	38 (19)	388.0 ± 6.0	39 (21)	354.3 ± 8.6 **	33 (18)	308.7 ± 8.0 **	23 (12)	

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

I04G: Mean Body Weight Gain
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 12/13/2019
Time Report Requested: 12:14:57
Lab: RTI

F1 Females: All F1 Females

Phase	Days	Treatment Groups (ppm)									
		0		3000		10000		30000		0.05 ppm EE	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
PND	28 - 35	35.2 ± 0.9 *	74 (22)	36.9 ± 0.6	71 (20)	34.7 ± 0.9	74 (22)	33.5 ± 0.8	71 (20)	29.0 ± 1.0 **	45 (15)
	35 - 42	32.5 ± 1.5	68 (22)	32.2 ± 0.7	65 (20)	33.1 ± 1.1	67 (22)	33.3 ± 0.9	66 (20)	26.7 ± 1.1 **	45 (15)
	42 - 49	21.1 ± 0.6	68 (22)	21.8 ± 0.6	65 (20)	22.8 ± 0.7	67 (22)	22.0 ± 1.1	65 (20)	17.7 ± 1.1 **	45 (15)
	49 - 56	19.0 ± 1.0	68 (22)	18.9 ± 1.0	65 (20)	18.4 ± 1.2	67 (22)	16.3 ± 1.1	65 (20)	14.6 ± 0.5 **	45 (15)
	56 - 63	17.4 ± 0.9 *	63 (22)	18.2 ± 1.2	60 (20)	17.8 ± 1.3	62 (22)	13.8 ± 1.5	60 (20)	11.3 ± 1.1 **	45 (15)
	63 - 70	14.8 ± 1.3	63 (22)	13.0 ± 1.3	60 (20)	12.0 ± 1.4	62 (22)	12.2 ± 1.1	60 (20)	8.5 ± 0.4 **	45 (15)
	70 - 77	11.4 ± 1.5 **	63 (22)	14.1 ± 1.5	60 (20)	10.9 ± 1.2	62 (22)	7.9 ± 0.8	60 (20)	8.8 ± 0.9	45 (15)
	77 - 84	10.7 ± 1.4	63 (22)	8.0 ± 1.3	60 (20)	8.9 ± 1.0	62 (22)	7.6 ± 1.2	60 (20)	6.6 ± 0.7 *	45 (15)
	84 - 91	6.5 ± 1.1	63 (22)	5.4 ± 1.1	60 (20)	7.0 ± 1.0	62 (22)	6.7 ± 1.5	60 (20)	8.6 ± 1.0	45 (15)
	28 - 91	168.5 ± 3.0 **	63 (22)	167.1 ± 2.5	60 (20)	165.4 ± 2.9	62 (22)	152.7 ± 2.7 **	60 (20)	131.8 ± 3.1 **	45 (15)

Study Number: MOG002B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04G: Mean Body Weight Gain

Test Compound: 2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

Date Report Requested: 12/13/2019

Time Report Requested: 12:14:57

Lab: RTI

F1 Females: Prenatal Female

Treatment Groups (ppm)

Phase	Days	0		3000		10000		30000		0.05 ppm EE	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	0 - 3	16.7 ± 1.2	18	15.7 ± 1.5	17	16.3 ± 1.4	18	14.7 ± 1.1	18	11.4 ± 1.3 **	15
	3 - 6	12.7 ± 0.9 **	18	12.9 ± 0.8	17	10.8 ± 0.6	18	8.0 ± 1.2 **	18	8.3 ± 0.5 **	15
	6 - 9	13.2 ± 0.9 **	18	11.3 ± 1.1	17	10.1 ± 0.7 *	18	10.1 ± 0.8 *	18	8.6 ± 0.6 **	15
	9 - 12	13.9 ± 0.8 **	18	15.2 ± 1.0	17	12.2 ± 0.9	18	10.6 ± 1.1 *	18	12.5 ± 0.7	15
	12 - 15	21.6 ± 0.9 **	18	23.5 ± 1.8	17	18.0 ± 1.1	18	18.0 ± 1.5	18	16.1 ± 0.9 **	15
	15 - 18	47.6 ± 2.4 **	18	43.1 ± 1.5	17	36.4 ± 3.0 **	18	31.8 ± 2.6 **	18	35.2 ± 2.0 **	15
	18 - 21	42.6 ± 2.3 **	18	45.7 ± 2.1	16	41.2 ± 2.3	18	33.1 ± 3.3 *	18	36.0 ± 1.6 *	15
	6 - 21	138.9 ± 4.2 **	18	136.4 ± 3.0	16	117.9 ± 6.3 *	18	103.6 ± 7.4 **	18	108.4 ± 4.4 **	15
0 - 21	168.2 ± 4.5 **	18	165.5 ± 3.9	16	145.0 ± 6.6 **	18	126.3 ± 8.2 **	18	128.0 ± 5.3 **	15	

Study Number: MOG002B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

I04G: Mean Body Weight Gain

Test Compound: 2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

Date Report Requested: 12/13/2019

Time Report Requested: 12:14:57

Lab: RTI

F1 Females: Fertility Female

Treatment Groups (ppm)

Phase	Days	0		3000		10000		30000		0.05 ppm EE	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
Gestation	0 - 3	17.6 ± 0.9 **	33 (22)	16.9 ± 0.7	36 (20)	15.6 ± 0.8	32 (19)	13.0 ± 1.4 **	31 (20)	11.7 ± 0.9 **	28 (15)
	3 - 6	13.8 ± 0.8 **	33 (22)	13.7 ± 0.7	36 (20)	10.9 ± 0.7 **	32 (19)	10.4 ± 0.7 **	31 (20)	9.5 ± 0.4 **	28 (15)
	6 - 9	13.0 ± 0.6 **	33 (22)	11.9 ± 0.7	36 (20)	11.7 ± 0.7	32 (19)	9.8 ± 0.7 **	31 (20)	9.6 ± 0.4 **	28 (15)
	9 - 12	14.2 ± 0.7 **	33 (22)	12.9 ± 0.6	36 (20)	10.9 ± 0.5 **	32 (19)	8.4 ± 1.1 **	31 (20)	10.7 ± 0.8 **	28 (15)
	12 - 15	20.4 ± 0.8 **	33 (22)	21.1 ± 0.7	36 (20)	18.5 ± 1.0	32 (19)	17.1 ± 0.7 *	31 (20)	15.6 ± 0.7 **	28 (15)
	15 - 18	46.3 ± 1.2 **	33 (22)	44.3 ± 1.4	36 (20)	40.3 ± 1.7 *	32 (19)	29.9 ± 2.7 **	31 (20)	37.5 ± 1.0 **	28 (15)
	18 - 21	47.8 ± 2.0 **	33 (22)	45.9 ± 1.6	36 (20)	41.9 ± 1.7 *	32 (19)	36.0 ± 1.9 **	31 (20)	39.1 ± 2.2 **	27 (15)
	6 - 21	141.6 ± 3.7 **	33 (22)	136.2 ± 3.3	36 (20)	123.3 ± 3.7 **	32 (19)	101.1 ± 4.8 **	31 (20)	112.9 ± 3.3 **	27 (15)
0 - 21	173.0 ± 4.3 **	33 (22)	166.8 ± 4.1	36 (20)	149.8 ± 3.6 **	32 (19)	124.6 ± 5.9 **	31 (20)	134.1 ± 3.4 **	27 (15)	
Lactation	1 - 4	8.0 ± 1.8 **	35 (22)	9.0 ± 1.3	37 (20)	7.2 ± 2.1	33 (20)	1.5 ± 1.5 *	32 (20)	8.6 ± 1.2	28 (15)
	4 - 7	6.1 ± 1.8	35 (22)	3.2 ± 2.0	37 (20)	7.2 ± 1.6	33 (20)	5.9 ± 2.7	32 (20)	9.1 ± 1.0	28 (15)
	7 - 10	7.6 ± 1.6	35 (22)	7.1 ± 1.8	37 (20)	4.4 ± 1.3	33 (20)	10.6 ± 1.6	32 (20)	6.4 ± 1.6	28 (15)
	10 - 13	3.0 ± 3.2 **	35 (22)	4.6 ± 1.2	37 (20)	3.7 ± 1.5	33 (20)	-2.7 ± 1.6 *	32 (20)	4.2 ± 1.8	28 (15)
	13 - 16	0.8 ± 3.0 *	35 (22)	-1.2 ± 0.7	37 (20)	1.4 ± 1.2	33 (20)	3.7 ± 1.7	32 (20)	1.6 ± 0.9	28 (15)
	16 - 19	-2.9 ± 1.4	35 (22)	-4.6 ± 1.3	37 (20)	-3.5 ± 1.0	33 (20)	-3.9 ± 1.5	32 (20)	-1.1 ± 1.4	28 (15)
	19 - 21	-2.3 ± 0.9 **	35 (22)	-3.0 ± 1.3	37 (20)	-1.1 ± 1.1	33 (20)	4.9 ± 1.7 **	32 (20)	-6.4 ± 1.8 *	28 (15)
	21 - 25	-12.4 ± 2.4	35 (22)	-13.9 ± 3.3	37 (20)	-8.9 ± 2.1	33 (20)	-8.3 ± 2.3	32 (20)	-11.2 ± 3.6	28 (15)
	25 - 28	0.7 ± 2.3	35 (22)	5.8 ± 2.1	37 (20)	2.2 ± 1.9	33 (20)	1.1 ± 1.7	32 (20)	1.1 ± 2.4	28 (15)
	4 - 28	0.7 ± 2.2 **	35 (22)	-2.1 ± 2.5	37 (20)	5.4 ± 1.8	33 (20)	11.4 ± 3.2 **	32 (20)	3.7 ± 2.2	28 (15)
1 - 28	8.6 ± 2.9	35 (22)	7.0 ± 2.7	37 (20)	12.6 ± 3.2	33 (20)	12.8 ± 4.0	32 (20)	12.3 ± 2.5	28 (15)	

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

I04G: Mean Body Weight Gain
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 12/13/2019
Time Report Requested: 12:14:57
Lab: RTI

LEGEND

Weight data for F0 and F1 Prenatal Cohorts displayed as mean \pm SEM. N is the number of animals.

Weight data for F1 Fertility and combined cohorts displayed as mean of litter means \pm SEM of litter means. N is displayed as number of animals (number of litters).

GD - Gestation Day; LD - Lactation Day

For the F0 and F1 Prenatal cohorts, statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

For the F1 Fertility and combined cohorts, litter based statistical analysis performed using mixed models, with dam ID as random effect for both trend and pairwise tests, and using Dunnett-Hsu adjustments for multiple comparisons.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

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

The EE group was not included in any trend analysis, it was included in the pairwise analysis to the control group.

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.

EE = Ethinyl estradiol

**** END OF REPORT ****