

Study Number: MOG002B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

C Number:

Study Gender:

PWG Approval Date

R11: Fetal Defect Summary

Test Compound: 2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

MOG002B

Both

See web page for date of PWG Approval

Date Report Requested: 02/12/2020

Time Report Requested: 06:12:06

Lab: RTI

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

R11: Fetal Defect Summary
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 02/12/2020
Time Report Requested: 06:12:06
Lab: RTI

F1 Female: Prenatal Female					
Treatment Groups (ppm)					
	0	3000	10000	30000	0.05 ppm EE
All Exams					
No. Fetuses	269	234	228	225	174
No. Litters	18	16	18	17	15
Malformation					
Affected fetuses	5 (1.86) ** #	7 (2.99)	6 (2.63)	14 (6.22) *	2 (1.15)
Affected litters	5 (27.78)	5 (31.25)	4 (22.22)	8 (47.06)	2 (13.33)
Variation					
Affected fetuses	34 (12.64) *	49 (20.94) **	47 (20.61) *	50 (22.22) **	34 (19.54) *
Affected litters	16 (88.89)	15 (93.75)	13 (72.22)	16 (94.12)	12 (80.00)
Gross Finding					
Affected fetuses	2 (0.74) **	0 (0.00)	2 (0.88)	10 (4.44) **	0 (0.00)
Affected litters	1 (5.56)	0 (0.00)	1 (5.56)	2 (11.76)	0 (0.00)
External					
No. Fetuses	269	234	228	225	174
No. Litters	18	16	18	17	15
Malformation					
Affected fetuses	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.44)	0 (0.00)
Affected litters	0 (0.00)	0 (0.00)	0 (0.00)	1 (5.88)	0 (0.00)
Variation					
Affected fetuses	0 (0.00)	0 (0.00)	0 (0.00)	1 (0.44)	0 (0.00)
Affected litters	0 (0.00)	0 (0.00)	0 (0.00)	1 (5.88)	0 (0.00)
Gross Finding					
Affected fetuses	2 (0.74) **	0 (0.00)	2 (0.88)	10 (4.44) **	0 (0.00)
Affected litters	1 (5.56)	0 (0.00)	1 (5.56)	2 (11.76)	0 (0.00)

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

R11: Fetal Defect Summary
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 02/12/2020
Time Report Requested: 06:12:06
Lab: RTI

F1 Female: Prenatal Female					
Treatment Groups (ppm)					
	0	3000	10000	30000	0.05 ppm EE
Visceral					
No. Fetuses	269	234	228	225	174
No. Litters	18	16	18	17	15
Malformation					
Affected fetuses	4 (1.49) ** #	4 (1.71)	5 (2.19)	14 (6.22) **	2 (1.15)
Affected litters	4 (22.22) *	3 (18.75)	3 (16.67)	8 (47.06)	2 (13.33)
Variation					
Affected fetuses	18 (6.69)	27 (11.54) *	31 (13.60) **	23 (10.22)	25 (14.37) **
Affected litters	11 (61.11)	12 (75.00)	10 (55.56)	10 (58.82)	9 (60.00)
Head					
No. Fetuses	133	112	106	112	89
No. Litters	18	16	16	17	15
Malformation					
Affected fetuses	0 (0.00)	1 (0.89)	0 (0.00)	0 (0.00)	0 (0.00)
Affected litters	0 (0.00)	1 (6.25)	0 (0.00)	0 (0.00)	0 (0.00)

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

R11: Fetal Defect Summary
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 02/12/2020
Time Report Requested: 06:12:06
Lab: RTI

F1 Female: Prenatal Female

Treatment Groups (ppm)

0 3000 10000 30000 0.05 ppm EE

Skeletal - Body

No. Fetuses	269	233	228	225	174
No. Litters	18	16	18	17	15
Malformation					
Affected fetuses	1 (0.37)	2 (0.86)	1 (0.44)	1 (0.44)	0 (0.00)
Affected litters	1 (5.56)	1 (6.25)	1 (5.56)	1 (5.88)	0 (0.00)
Variation					
Affected fetuses	19 (7.06)	27 (11.59)	19 (8.33)	24 (10.67)	12 (6.90)
Affected litters	10 (55.56)	11 (68.75)	8 (44.44)	12 (70.59)	7 (46.67)

Skeletal - Skull

No. Fetuses	136	122	116	113	85
No. Litters	18	16	17	17	15
Variation					
Affected fetuses	0 (0.00) *	0 (0.00)	0 (0.00)	2 (1.77)	0 (0.00)
Affected litters	0 (0.00) *	0 (0.00)	0 (0.00)	2 (11.76)	0 (0.00)

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

R11: Fetal Defect Summary
Test Compound: 2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 02/12/2020
Time Report Requested: 06:12:06
Lab: RTI

LEGEND

Upper row denotes number of affected fetuses (%) and lower row the number of affected litters (%)

Trend and pairwise significance levels are determined using one-sided tests.

Statistical analysis for litter data and for fetal data ignoring the litter effects were performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Statistical analysis for fetal data including litter effects were performed by using a Rao-Scott modification to the Cochran-Armitage test where the Dam ID was the random effect for both trend and pairwise analysis.

Statistically significant at $P \leq 0.05$ (litter based analysis)

Statistically significant at $P \leq 0.01$ (litter based analysis)

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

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

EE = Ethinyl estradiol

**** END OF REPORT ****