

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F0 Female**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
GD	Abnormal Gait	0 / 22	0 / 21	0 / 22	0 / 20	1 / 20 GD 11
GD	Eye Discharge Bilateral; Red	0 / 22	0 / 21	0 / 22	1 / 20 GD 9	0 / 20
GD	Hypoactive	0 / 22	0 / 21	0 / 22	0 / 20	1 / 20 GD 11
GD	Lethargic	0 / 22	0 / 21	0 / 22	0 / 20	1 / 20 GD 11
GD	Mass Right Eye	0 / 22	0 / 21	0 / 22	1 / 20 GD 16	0 / 20
GD	Piloerection	0 / 22	0 / 21	0 / 22	0 / 20	1 / 20 GD 11
GD	Respiration Labored	0 / 22	0 / 21	0 / 22	0 / 20	1 / 20 GD 11
GD	Salivation Moderate	0 / 22	0 / 21	0 / 22	0 / 20	1 / 20 GD 11
LD	Eye Discharge Left; Red	1 / 22 LD 13	0 / 21	0 / 22	0 / 20	0 / 18
LD	Mass Chest	0 / 22	1 / 21 LD 21	0 / 22	0 / 20	0 / 18

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F0 Female**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
LD	Tail Tip Missing	1 / 22 LD 1	0 / 21	0 / 22	0 / 20	0 / 18
SD	Eye Discharge Left; Red	1 / 3 SD 5	0 / 4	0 / 3	0 / 5	0 / 5
SD	Eye Small Left	1 / 3 SD 9	0 / 4	0 / 3	0 / 5	0 / 5
SD	Eye Squinting Left	1 / 3 SD 24	0 / 4	0 / 3	0 / 5	0 / 5
SD	Mass Anogenital Area	0 / 3	0 / 4	0 / 3	1 / 5 SD 18	0 / 5

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F1 Male: All F1 Males**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
PND	Alopecia Back	1 / 69 PND 39	0 / 65	0 / 67	0 / 65	0 / 45
PND	Eye Discharge Bilateral; Red	0 / 69	0 / 65	1 / 67 PND 71	0 / 65	0 / 45
PND	Eye Discharge Right; Brown	0 / 69	0 / 65	0 / 67	1 / 65 PND 102	0 / 45
PND	Eye Discharge Right; Red	1 / 69 PND 77	0 / 65	0 / 67	1 / 65 PND 43	0 / 45
PND	Eye Discolored Right; Black	0 / 69	0 / 65	0 / 67	1 / 65 PND 39	0 / 45
PND	Respiration Audible	0 / 69	0 / 65	1 / 67 PND 48	0 / 65	0 / 45
PND	Staining Left Eye; Red	0 / 69	0 / 65	1 / 67 PND 58	0 / 65	0 / 45
PND	Tail Damaged	0 / 69	0 / 65	1 / 67 PND 34	1 / 65 PND 28	0 / 45
PND	Tail Tip Missing	0 / 69	0 / 65	0 / 67	0 / 65	1 / 45 PND 28

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F1 Female: All F1 Females**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
PND	Fur Stained Back; Yellow	0 / 78	1 / 72 PND 77	0 / 77	0 / 71	0 / 48
PND	Tail Damaged	0 / 78	1 / 72 PND 80	0 / 77	0 / 71	0 / 48
PND	Tail Tip Missing	1 / 78 PND 28	0 / 72	0 / 77	0 / 71	0 / 48
PND	Vaginal Thread	3 / 78 PND 33	3 / 72 PND 35	4 / 77 PND 35	4 / 71 PND 37	0 / 48

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F1 Female: Prenatal Female**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
GD	Tail Damaged	0 / 18	1 / 17 GD 0	0 / 18	0 / 18	0 / 15
GD	Vaginal Thread	0 / 18	0 / 17	1 / 18 GD 0	0 / 18	0 / 15
PND	Fur Stained Back, Yellow	0 / 22	1 / 20 PND 92	0 / 22	0 / 20	0 / 15
PND	Tail Damaged	0 / 22	1 / 20 PND 92	0 / 22	0 / 20	0 / 15
PND	Vaginal Thread	0 / 22	0 / 20	1 / 22 PND 92	0 / 20	0 / 15

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F1 Male: Fertility Male**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
PND	Alopecia Left Forelimb	0 / 41	0 / 40	0 / 40	1 / 40 PND 125	0 / 30
PND	Alopecia Right Forelimb	0 / 41	0 / 40	0 / 40	1 / 40 PND 125	0 / 30
PND	Eye Discharge Bilateral; Red	0 / 41	0 / 40	0 / 40	1 / 40 PND 154	0 / 30
PND	Eye Discharge Left; Brown	0 / 41	0 / 40	1 / 40 PND 145	0 / 40	0 / 30
PND	Eye Discharge Right; Brown	0 / 41	0 / 40	0 / 40	1 / 40 PND 113	0 / 30
PND	Eye Discharge Right; Red	1 / 41 PND 135	0 / 40	0 / 40	0 / 40	0 / 30
PND	Scab(s) Left Forelimb	0 / 41	0 / 40	0 / 40	1 / 40 PND 145	0 / 30
PND	Sore(s) On Body Neck	0 / 41	0 / 40	1 / 40 PND 140	0 / 40	0 / 30
PND	Tail Tip Missing	0 / 41	0 / 40	0 / 40	0 / 40	1 / 30 PND 113

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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

**F1 Female: Fertility Female**

Phase	Observation	Treatment Groups (ppm)				
		0	3000	10000	30000	0.05 ppm EE
LD	Eye Discharge Bilateral; Brown	0 / 35	1 / 37 LD 0	0 / 33	0 / 32	0 / 28
LD	Pale	0 / 35	1 / 37 LD 0	0 / 33	0 / 32	0 / 28
LD	Rough Coat	0 / 35	1 / 37 LD 1	0 / 33	0 / 32	0 / 28
LD	Tail Damaged	1 / 35 LD 16	0 / 37	0 / 33	0 / 32	0 / 28
LD	Urine Increased	0 / 35	0 / 37	0 / 33	1 / 32 LD 24	0 / 28



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

**I05: Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 12/13/2019  
**Time Report Requested:** 13:25:23  
**Lab:** RTI

## LEGEND

---

Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row displays cumulative number of animals with observation / total animals started on study for SD days, total number of pregnant animals for GD days, or total number of littered females for LD days.

Lower row displays day of observation onset

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

Females listed as SD were not pregnant

"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.

EE = Ethinyl estradiol

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