Study Number: MOG002B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

R09: Uterine Content Summary

Test Compound: 2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

Date Report Requested: 12/13/2019

Time Report Requested: 13:54:43

Lab: RTI

C Number: MOG002B

Study Gender: Both

PWG Approval Date   See web page for date of PWG Approval

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F1 Females: Prenatal Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Pregnancy Summary					
Paired Females	22	20	22	20	15
Mated Females	19	19	21	19	15
Pregnant Females	18	18	20	19	15
Pregnant Females Examined on GD 21	18	16	18	18	15
Pre-implantation Loss					
Corpora lutea per Female	18.56 ± 0.77 (18) **	17.56 ± 0.77 (18)	17.40 ± 0.89 (20)	14.89 ± 0.87 (19) **	13.53 ± 0.47 (15) **
Implantations per Female	15.61 ± 0.65 (18) **	14.94 ± 0.67 (16)	13.28 ± 1.17 (18)	12.94 ± 0.88 (18) *	12.13 ± 0.79 (15) **
Percent Pre-Implantation Loss	14.51 ± 3.73 (18)	14.58 ± 3.38 (16)	24.91 ± 5.80 (18)	15.89 ± 3.49 (18)	11.47 ± 4.89 (15)
Intra-uterine Deaths					
Number of Early Resorptions	9	5	11	7	7
Early Resorptions per Litter	0.50 ± 0.25 (18)	0.31 ± 0.15 (16)	0.61 ± 0.16 (18)	0.39 ± 0.12 (18)	0.47 ± 0.13 (15)
Number of Late Resorptions	3	0	0	1	1
Late Resorptions per Litter	0.17 ± 0.09 (18)	0.00 ± 0.00 (16)	0.00 ± 0.00 (18)	0.06 ± 0.06 (18)	0.07 ± 0.07 (15)
Total Resorptions per Litter	0.67 ± 0.26 (18)	0.31 ± 0.15 (16)	0.61 ± 0.16 (18)	0.44 ± 0.12 (18)	0.53 ± 0.17 (15)
Whole Litter Resorptions	0	0	0	1	0
Number of Dead Fetuses	0	0	0	0	0
Dead Fetuses per Litter	0.00 ± 0.00 (18)	0.00 ± 0.00 (16)	0.00 ± 0.00 (18)	0.00 ± 0.00 (18)	0.00 ± 0.00 (15)
Percent Post-Implantation Loss	5.33 ± 2.38 (18)	1.85 ± 0.84 (16)	7.86 ± 3.16 (18)	8.45 ± 5.46 (18)	4.19 ± 1.26 (15)
Live Fetuses					
Number of Live Fetuses	269	234	228	225	174
Live Fetuses per Litter	14.94 ± 0.82 (18)	14.63 ± 0.59 (16)	12.67 ± 1.17 (18)	13.24 ± 0.57 (17)	11.60 ± 0.76 (15) **
Live Male Fetuses per Litter	7.83 ± 0.58 (18)	7.38 ± 0.47 (16)	6.72 ± 0.74 (18)	6.76 ± 0.42 (17)	6.07 ± 0.56 (15) *
Live Female Fetuses per Litter	7.11 ± 0.76 (18)	7.25 ± 0.49 (16)	6.29 ± 0.60 (17)	6.41 ± 0.54 (17)	5.53 ± 0.54 (15)
Percent Live Male Fetuses per Litter	53.19 ± 3.69 (18)	50.37 ± 2.60 (16)	55.21 ± 3.94 (18)	52.09 ± 3.17 (17)	51.48 ± 3.59 (15)

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F1 Females: Prenatal Female

	Treatment Groups (ppm)				
	0	**3000**	**10000**	**30000**	**0.05 ppm EE**
Fetal Weight					
Fetal Weight per Litter (g)	5.06 ± 0.06 (18)	5.15 ± 0.09 (16)	5.08 ± 0.10 (18)	5.01 ± 0.10 (17)	5.23 ± 0.08 (15)
Male Fetal Weight per Litter (g)	5.15 ± 0.07 (18)	5.34 ± 0.08 (16)	5.17 ± 0.09 (18)	5.13 ± 0.10 (17)	5.37 ± 0.09 (15) *
Female Fetal Weight per Litter (g)	4.95 ± 0.06 (18)	4.96 ± 0.09 (16)	4.98 ± 0.11 (17)	4.89 ± 0.09 (17)	5.10 ± 0.08 (15)
Fetal Weight (adjusted)					
Fetal Weight per Litter (g)	5.12 ± 0.05 (18)	5.19 ± 0.08 (16)	5.01 ± 0.08 (18)	4.98 ± 0.09 (17)	5.14 ± 0.06 (15)
Male Fetal Weight per Litter (g)	5.20 ± 0.06 (18)	5.38 ± 0.07 (16)	5.11 ± 0.07 (18)	5.10 ± 0.09 (17)	5.27 ± 0.07 (15)
Female Fetal Weight per Litter (g)	5.01 ± 0.04 (18) *	5.00 ± 0.08 (16)	4.93 ± 0.08 (17)	4.83 ± 0.09 (17)	5.01 ± 0.07 (15)
Gravid Uterus Weight					
Gravid Uterus Weight (g)	107.08 ± 5.01 (18) **	107.03 ± 3.26 (16)	90.65 ± 7.42 (18)	88.78 ± 6.11 (18) *	85.58 ± 4.96 (15) **
Terminal Body Weight (g)	423.9 ± 7.3 (18) **	412.6 ± 7.1 (16)	381.6 ± 9.0 (18) **	345.5 ± 9.2 (18) **	335.0 ± 4.8 (15) **
Adjusted Body Weight (g)	316.82 ± 5.34 (18) **	305.56 ± 5.91 (16)	290.98 ± 3.02 (18) **	256.75 ± 4.58 (18) **	249.45 ± 3.35 (15) **

LEGEND

Values are reported per litter as mean ± SEM (N)

Calculated values do not include non-pregnant animals, those that did not survive to terminal sacrifice, or those that delivered prior to c-section being performed.

Fetal weight endpoints and percent live male fetuses endpoints are the mean values of the litter means.

Dams that had whole litter resorptions are not included in the litter analysis.

Unsexed fetuses were included for litter size calculations but were excluded from fetal weight calculations and from the percent male calculation.

Dams where the number of implants was greater than the number of corpora lutea were assigned a percent pre-implantation loss of 0.

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 <= 0.05

** Statistically significant at P <= 0.01

Statistical analysis for Pregnancy Summary endpoints was performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests.

Statistical analysis for Pre-implantation Loss and Live Fetuses endpoints was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Whole litter resorptions analyzed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests. All "per litter" and pre-implantation loss endpoints analyzed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the Fetal Weight and Gravid Uterus Weight endpoints was performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Fetal Weight (adjusted) is fetal weights adjusted for litter size. Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

All Cochran-Arnitage (trend) and Fisher Exact (pairwise) are reported as two-sided tests.

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 **