

**Study Number:** MOG002B

**Test Type:** MOG

**Route:** Dosing in Feed

**Species/Strain:** Rat/Sprague-Dawley

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R20: Pup Necropsy (Gross Observations for Unweaned Pups) 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:** 12/16/2019

**Time Report Requested:** 08:03:15

**Lab:** RTI

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	F1 Pups				
	Treatment Groups (ppm)				
	0	3000	10000	30000	0.05 ppm EE
<b>Disposition Summary</b>					
Pups	282	272	293	247	238
Litters	22	21	22	20	18
<b>Scheduled Sacrifice</b>					
Mammary Gland Whole Mount	20 (12)	17 (10)	20 (11)	16 (10)	20 (10)
Pup Culled	95 (21)	101 (19)	101 (21)	73 (18)	64 (15)
Removed for Biosamples	10 (5)	15 (9)	16 (9)	10 (5)	
Scheduled Removal (Terminal)	142 (22)	125 (20)	134 (22)	130 (20)	98 (15)
<b>Early Deaths</b>					
Cannibalized		2 (2)		1 (1)	6 (1)
Euthanized Moribund			2 (1)	2 (2)	11 (2)
Found Dead	12 (7)	11 (8)	15 (13)	14 (7)	29 (6)
Pup Missing - Presumed Dead	3 (2)	1 (1)	5 (2)	1 (1)	10 (4)
<b>No. pups examined</b>					
	12	13	17	15	46
<b>No. Litters</b>					
	7	9	13	8	6
<b>Normal</b>					
	10 (5)	4 (4)	10 (8)	5 (4)	17 (5)
<b>ALIMENTARY SYSTEM</b>					
Abdomen					
Intestine, Enlarged	0 (0.0)	0 (0.0)	0 (0.0)	1 (6.7)	0 (0.0)
	0 (0.0)	0 (0.0)	0 (0.0)	1 (12.5)	0 (0.0)
Stomach, Milk/food absent	0 (0.0)	0 (0.0)	3 (17.6)	3 (20.0)	13 (28.3)
	0 (0.0)	0 (0.0)	2 (15.4)	3 (37.5)	2 (33.3)

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	Treatment Groups (ppm)				
	0	3000	10000	30000	0.05 ppm EE
<b>CARDIOVASCULAR SYSTEM</b>					
No findings					
<b>ENDOCRINE SYSTEM</b>					
No findings					
<b>GENERAL BODY SYSTEM</b>					
General					
Abdomen, entire, Autolyzed, unable to evaluate	1 (8.3)	4 (30.8)	1 (5.9)	1 (6.7)	10 (21.7)
	1 (14.3)	4 (44.4)	1 (7.7)	1 (12.5)	3 (50.0)
General, Autolyzed, unable to evaluate	0 (0.0)	2 (15.4)	3 (17.6)	4 (26.7)	0 (0.0)
	0 (0.0)	2 (22.2)	3 (23.1)	1 (12.5)	0 (0.0)
General, Cannibalized, unable to evaluate	0 (0.0)	2 (15.4)	0 (0.0)	0 (0.0)	6 (13.0)
	0 (0.0)	2 (22.2)	0 (0.0)	0 (0.0)	1 (16.7)
<b>GENITAL SYSTEM</b>					
No findings					
<b>HEMATOLYMPHOID SYSTEM</b>					
No findings					
<b>INTEGUMENTARY SYSTEM</b>					
No findings					
<b>MUSCULOSKELETAL SYSTEM</b>					
No findings					
<b>NERVOUS SYSTEM</b>					
Head					
Cerebrum, Compressed	1 (8.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
	1 (14.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
<b>RESPIRATORY SYSTEM</b>					
No findings					

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**F1 Pups**

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**Treatment Groups (ppm)**

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**0                      3000                      10000                      30000                      0.05 ppm EE**

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**SPECIAL SENSES SYSTEM**

No findings

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**URINARY SYSTEM**

Pelvis

Ureter, bilateral, Distended

0 (0.0)	1 (7.7)	0 (0.0)	2 (13.3)	0 (0.0)
0 (0.0)	1 (11.1)	0 (0.0)	2 (25.0)	0 (0.0)

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**F2 Pups Fertility Female**

**Treatment Groups (ppm)**

**0                      3000                      10000                      30000                      0.05 ppm EE**

**Disposition Summary**

<b>Pups</b>	<b>511</b>	<b>503</b>	<b>446</b>	<b>415</b>	<b>330</b>
<b>Litters</b>	<b>35</b>	<b>37</b>	<b>33</b>	<b>32</b>	<b>28</b>

**Scheduled Sacrifice**

<b>Pup Culled</b>	<b>182 (34)</b>	<b>175 (32)</b>	<b>143 (28)</b>	<b>120 (30)</b>	<b>87 (23)</b>
<b>Scheduled Removal (Terminal)</b>	<b>185 (31)</b>	<b>205 (34)</b>	<b>186 (32)</b>	<b>174 (30)</b>	<b>178 (27)</b>

**Early Deaths**

<b>Cannibalized</b>	<b>3 (2)</b>	<b>25 (6)</b>	<b>7 (4)</b>	<b>4 (4)</b>	<b>1 (1)</b>
<b>Euthanized Moribund</b>	<b>2 (2)</b>		<b>2 (2)</b>	<b>7 (4)</b>	<b>3 (3)</b>
<b>Found Dead</b>	<b>96 (29)</b>	<b>61 (26)</b>	<b>77 (27)</b>	<b>73 (23)</b>	<b>39 (20)</b>
<b>Pup Missing - Presumed Dead</b>	<b>43 (18)</b>	<b>37 (15)</b>	<b>31 (16)</b>	<b>37 (14)</b>	<b>22 (11)</b>

<b>No. pups examined</b>	<b>101</b>	<b>86</b>	<b>86</b>	<b>84</b>	<b>43</b>
<b>No. Litters</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>25</b>	<b>21</b>

<b>Normal</b>	<b>27 (16)</b>	<b>20 (13)</b>	<b>20 (12)</b>	<b>28 (15)</b>	<b>13 (11)</b>
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**ALIMENTARY SYSTEM**

<b>Abdomen</b>					
Intestine, Distended with gas	1 (1.0)	0 (0.0)	1 (1.2)	4 (4.8)	0 (0.0)
	1 (3.3)	0 (0.0)	1 (3.7)	4 (16.0)	0 (0.0)
Stomach, Milk/food absent	11 (10.9)	5 (5.8)	6 (7.0)	13 (15.5)	5 (11.6)
	10 (33.3)	4 (14.8)	6 (22.2)	9 (36.0)	4 (19.0)

**CARDIOVASCULAR SYSTEM**

No findings

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**F2 Pups Fertility Female**

**Treatment Groups (ppm)**

**0                      3000                      10000                      30000                      0.05 ppm EE**

**ENDOCRINE SYSTEM**

No findings

**GENERAL BODY SYSTEM**

General

Abdomen, entire, Autolyzed, unable to evaluate	18 (17.8)	9 (10.5)	18 (20.9)	12 (14.3)	7 (16.3)
	11 (36.7)	5 (18.5)	11 (40.7)	8 (32.0)	5 (23.8)
Abdomen, entire, Cannibalized, unable to evaluate	0 (0.0)	0 (0.0)	1 (1.2)	0 (0.0)	0 (0.0)
	0 (0.0)	0 (0.0)	1 (3.7)	0 (0.0)	0 (0.0)
General, Autolyzed, unable to evaluate	42 (41.6)	26 (30.2)	31 (36.0)	25 (29.8)	15 (34.9)
	15 (50.0)	16 (59.3)	15 (55.6)	11 (44.0)	10 (47.6)
General, Cannibalized, unable to evaluate	3 (3.0)	26 (30.2)	8 (9.3)	4 (4.8)	1 (2.3)
	2 (6.7)	6 (22.2)	5 (18.5)	4 (16.0)	1 (4.8)

**GENITAL SYSTEM**

No findings

**HEMATOLYMPHOID SYSTEM**

No findings

**INTEGUMENTARY SYSTEM**

No findings

**MUSCULOSKELETAL SYSTEM**

No findings

**NERVOUS SYSTEM**

No findings

**RESPIRATORY SYSTEM**

No findings

**SPECIAL SENSES SYSTEM**

No findings

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**F2 Pups Fertility Female**

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**Treatment Groups (ppm)**

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**URINARY SYSTEM**

Pelvis

Ureter, bilateral, Distended

0 (0.0)	0 (0.0)	1 (1.2)	1 (1.2)	2 (4.7)
0 (0.0)	0 (0.0)	1 (3.7)	1 (4.0)	1 (4.8)

Ureter, left, Distended

0 (0.0)	0 (0.0)	1 (1.2)	0 (0.0)	0 (0.0)
0 (0.0)	0 (0.0)	1 (3.7)	0 (0.0)	0 (0.0)

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LEGEND

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Disposition Summary is Number of pups (litters represented)

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

EE = Ethinyl estradiol

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