

**Study Number:** MOG002  
**Test Type:** MOG - Range Finding  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Sprague-Dawley

**I05P: Pup Clinical Observations Summary**  
**Test Compound:** 2-Hydroxy-4-methoxybenzophenone  
**CAS Number:** 131-57-7

**Date Report Requested:** 01/13/2020  
**Time Report Requested:** 13:06:12  
**Lab:** RTI

**C Number:** MOG002  
**Study Gender:** Female  
**PWG Approval Date** See web page for date of PWG Approval

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F1 Pups

Treatment Groups (ppm)

|                               | 0  | 3000 | 10000 | 25000 | 50000 |
|-------------------------------|----|------|-------|-------|-------|
| Total Pups (PND 0)            | 82 | 82   | 66    | 61    | 108   |
| No. pups post cull (PND 4)    | 56 | 54   | 64    | 53    | 60    |
| Total Litters (PND 0)         | 7  | 7    | 6     | 5     | 9     |
| No. litters post cull (PND 4) | 5  | 5    | 6     | 5     | 6     |

Pup Clinical Observations PND 0-4

|                     |          |          |          |          |          |
|---------------------|----------|----------|----------|----------|----------|
| Bruising            | 2 (2.4)  | 0        | 0        | 0        | 2 (1.9)  |
| Head                | 1 (14.3) | 0        | 0        | 0        | 1 (11.1) |
|                     | PND 0-1  |          |          |          | PND 0    |
| Bruising            | 0        | 0        | 0        | 0        | 1 (0.9)  |
| Multiple Sites (>2) | 0        | 0        | 0        | 0        | 1 (11.1) |
|                     |          |          |          |          | PND 0-3  |
| Cold To Touch       | 0        | 0        | 1 (1.5)  | 2 (3.3)  | 0        |
|                     | 0        | 0        | 1 (16.7) | 2 (40.0) | 0        |
|                     |          |          | PND 0    | PND 0-4  |          |
| No Milk in Stomach  | 0        | 1 (1.2)  | 0        | 1 (1.6)  | 2 (1.9)  |
|                     | 0        | 1 (14.3) | 0        | 1 (20.0) | 1 (11.1) |
|                     |          | PND 2    |          | PND 0    | PND 2-3  |
| Pale                | 0        | 0        | 0        | 1 (1.6)  | 1 (0.9)  |
|                     | 0        | 0        | 0        | 1 (20.0) | 1 (11.1) |
|                     |          |          |          | PND 1    | PND 2    |

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Treatment Groups (ppm)

|   | 0                            | 3000                           | 10000                        | 25000                          | 50000                          |
|---|------------------------------|--------------------------------|------------------------------|--------------------------------|--------------------------------|
| Pup - Found Dead                          | 2 (2.4)<br>1 (14.3)<br>PND 0 | 6 (7.3)<br>3 (42.9)<br>PND 0-1 | 2 (3.0)<br>2 (33.3)<br>PND 0 | 5 (8.2)<br>2 (40.0)<br>PND 0-4 | 4 (3.7)<br>3 (33.3)<br>PND 0-4 |
| Pup Cannibalised                          | 0<br>0                       | 1 (1.2)<br>1 (14.3)<br>PND 0   | 0<br>0                       | 0<br>0                         | 1 (0.9)<br>1 (11.1)<br>PND 0   |
| Pup Missing - Presumed Dead               | 0<br>0                       | 1 (1.2)<br>1 (14.3)<br>PND 1   | 0<br>0                       | 3 (4.9)<br>1 (20.0)<br>PND 4   | 6 (5.6)<br>1 (11.1)<br>PND 3-4 |
| Tail Damaged                              | 0<br>0                       | 0<br>0                         | 0<br>0                       | 0<br>0                         | 1 (0.9)<br>1 (11.1)<br>PND 1-3 |
| Tail Tip Missing                          | 0<br>0                       | 0<br>0                         | 0<br>0                       | 0<br>0                         | 1 (0.9)<br>1 (11.1)<br>PND 1-4 |
| <b>Pup Clinical Observations PND 5-28</b> |                              |                                |                              |                                |                                |
| Cold To Touch                             | 0<br>0                       | 0<br>0                         | 0<br>0                       | 1 (1.9)<br>1 (20.0)<br>PND 9   | 0<br>0                         |

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F1 Pups

Treatment Groups (ppm)

|                             | 0                  | 3000                  | 10000                 | 25000                | 50000                 |
|-----------------------------|--------------------|-----------------------|-----------------------|----------------------|-----------------------|
| Dehydrated                  | 0                  | 0                     | 0                     | 1 (1.9)              | 0                     |
|                             | 0                  | 0                     | 0                     | 1 (20.0)<br>PND 9    | 0                     |
| Emaciated                   | 0                  | 0                     | 0                     | 3 (5.7)              | 0                     |
|                             | 0                  | 0                     | 0                     | 1 (20.0)<br>PND 6    | 0                     |
| Fur Stained                 | 0                  | 0                     | 1 (1.6)               | 0                    | 18 (30.0)             |
| Abdomen; Yellow             | 0                  | 0                     | 1 (16.7)<br>PND 24-27 | 0                    | 3 (50.0)<br>PND 23-26 |
| No Milk in Stomach          | 0                  | 1 (1.9)               | 0                     | 5 (9.4)              | 1 (1.7)               |
|                             | 0                  | 1 (20.0)<br>PND 10    | 0                     | 3 (60.0)<br>PND 6-12 | 1 (16.7)<br>PND 8     |
| Pup - Found Dead            | 1 (1.8)            | 1 (1.9)               | 0                     | 2 (3.8)              | 4 (6.7)               |
|                             | 1 (20.0)<br>PND 10 | 1 (20.0)<br>PND 7     | 0                     | 2 (40.0)<br>PND 9-11 | 3 (50.0)<br>PND 5-23  |
| Pup Cannibalised            | 0                  | 0                     | 0                     | 0                    | 1 (1.7)               |
|                             | 0                  | 0                     | 0                     | 0                    | 1 (16.7)<br>PND 25    |
| Pup Missing - Presumed Dead | 0                  | 3 (5.6)               | 0                     | 6 (11.3)             | 0                     |
|                             | 0                  | 3 (60.0)<br>PND 11-14 | 0                     | 3 (60.0)<br>PND 5-10 | 0                     |

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F1 Pups

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Treatment Groups (ppm)

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|                 | 0                   | 3000               | 10000             | 25000             | 50000 |
|-----------------|---------------------|--------------------|-------------------|-------------------|-------|
| Respiration     | 0                   | 1 (1.9)            | 2 (3.1)           | 0                 | 0     |
| Audible         | 0                   | 1 (20.0)<br>PND 22 | 1 (16.7)<br>PND 7 | 0                 | 0     |
| Respiration     | 0                   | 0                  | 0                 | 1 (1.9)           | 0     |
| Labored         | 0                   | 0                  | 0                 | 1 (20.0)<br>PND 6 | 0     |
| Scab(s)         | 2 (3.6)             | 0                  | 0                 | 0                 | 0     |
| Head            | 1 (20.0)<br>PND 6-7 | 0                  | 0                 | 0                 | 0     |
| Sore(s) On Body | 1 (1.8)             | 0                  | 0                 | 0                 | 0     |
| Head            | 1 (20.0)<br>PND 6   | 0                  | 0                 | 0                 | 0     |

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## LEGEND

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

Upper row denotes the pup incidence N (%)

Middle row denotes the litter incidence N (%)

Lower row denotes the range of postnatal days the finding was seen for the group

F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

No. live litters includes litters with  $\geq 1$  live pup

Percent incidence calculated using number of live pups or litters on PND 0 (pre cull) or PND 4 (post cull)

PND - Postnatal Day, pups pre-weaning

The litters in this study were not culled on PND 4, however, 2, 2, and 3 litters in the 0, 3000 and 50000 ppm groups respectively were removed on PND4 for biosample analysis.

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