

**Experiment Number:** MOG08002  
**Test Type:** MOG - Range Finding  
**Route:** Dosing in Feed  
**Species/Strain:** Rat/Sprague-Dawley

**I05P: Pup Clinical Observations Summary**

**Test Compound:** Bisphenol AF  
**CAS Number:** 1478-61-1

**Date Report Requested:** 09/13/2017  
**Time Report Requested:** 14:03:27  
**Lab:** RTI

**C Number:** MOG08002  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Female

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**F1 Pups - Litter A**

**Treatment Groups (ppm)**

	<b>0</b>	<b>937.5</b>	<b>1875</b>	<b>3750</b>	<b>7500</b>
<b>Total Pups (PND 0)</b>	<b>95</b>	<b>50</b>	<b>117</b>	<b>82</b>	<b>63</b>
<b>No. pups post cull (PND 4)</b>	<b>86</b>	<b>30</b>	<b>87</b>	<b>63</b>	<b>37</b>
<b>Total Litters (PND 0)</b>	<b>7</b>	<b>4</b>	<b>10</b>	<b>7</b>	<b>6</b>
<b>No. litters post cull (PND 4)</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>6</b>

**Pup Clinical Observations PND 0-4**

Bruising	1 (1.1)	0	0	1 (1.2)	1 (1.6)
Back	1 (14.3)	0	0	1 (14.3)	1 (16.7)
	PND 1			PND 0	PND 0
Bruising	1 (1.1)	1 (2.0)	0	0	1 (1.6)
Face	1 (14.3)	1 (25.0)	0	0	1 (16.7)
	PND 0-1	PND 1-2			PND 0
Bruising	0	0	1 (0.9)	0	0
Head	0	0	1 (10.0)	0	0
			PND 0-1		
Bruising	1 (1.1)	0	0	0	0
Left Hind Paw	1 (14.3)	0	0	0	0
	PND 1-2				
Bruising	1 (1.1)	0	0	0	0
Right Hindlimb	1 (14.3)	0	0	0	0
	PND 1-2				

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**F1 Pups - Litter A**

	Treatment Groups (ppm)				
	0	937.5	1875	3750	7500
Bruising	0	0	0	0	1 (1.6)
Tail	0	0	0	0	1 (16.7) PND 0
Cold To Touch	0	2 (4.0)	5 (4.3)	1 (1.2)	0
	0	1 (25.0) PND 1	1 (10.0) PND 3-4	1 (14.3) PND 4	0
Dehydrated	0	0	1 (0.9)	5 (6.1)	0
	0	0	1 (10.0) PND 4	1 (14.3) PND 4	0
No Milk in Stomach	0	0	8 (6.8)	10 (12.2)	0
	0	0	4 (40.0) PND 3-4	2 (28.6) PND 4	0
Pale	0	2 (4.0)	2 (1.7)	2 (2.4)	0
	0	1 (25.0) PND 1	2 (20.0) PND 0-1	1 (14.3) PND 0	0
Pup - Found Dead	2 (2.1)	11 (22.0)	13 (11.1)	2 (2.4)	10 (15.9)
	1 (14.3) PND 0	3 (75.0) PND 0-2	5 (50.0) PND 0-4	2 (28.6) PND 0	4 (66.7) PND 0-2
Pup Cannibalised	0	1 (2.0)	7 (6.0)	1 (1.2)	0
	0	1 (25.0) PND 0	2 (20.0) PND 0	1 (14.3) PND 0	0

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**Treatment Groups (ppm)**

	<b>0</b>	<b>937.5</b>	<b>1875</b>	<b>3750</b>	<b>7500</b>
Pup Missing - Presumed Dead	1 (1.1) 1 (14.3) PND 3	8 (16.0) 2 (50.0) PND 1-2	4 (3.4) 3 (30.0) PND 0-4	10 (12.2) 2 (28.6) PND 1-2	16 (25.4) 4 (66.7) PND 1-2
Respiration Audible	0 0	1 (2.0) 1 (25.0) PND 4	1 (0.9) 1 (10.0) PND 4	2 (2.4) 2 (28.6) PND 4	0 0
Tail Damaged	1 (1.1) 1 (14.3) PND 1-4	0 0	0 0	0 0	0 0
Tail Tip Missing	1 (1.1) 1 (14.3) PND 0-2	0 0	0 0	0 0	0 0
<b>Pup Clinical Observations PND 5-28</b>					
Cold To Touch	0 0	0 0	0 0	3 (4.8) 1 (16.7) PND 8	3 (8.1) 1 (16.7) PND 7-9
Dehydrated	0 0	0 0	0 0	3 (4.8) 1 (16.7) PND 8-9	0 0

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**Treatment Groups (ppm)**

	<b>0</b>	<b>937.5</b>	<b>1875</b>	<b>3750</b>	<b>7500</b>
Fur Stained	0	0	0	0	5 (13.5)
Abdomen; Yellow	0	0	0	0	1 (16.7) PND 24-28
Nasal Discharge	0	0	0	1 (1.6)	0
Brown	0	0	0	1 (16.7) PND 25-27	0
No Milk in Stomach	0	4 (13.3)	3 (3.4)	4 (6.3)	4 (10.8)
	0	3 (75.0) PND 7-10	2 (25.0) PND 5	2 (33.3) PND 8-11	2 (33.3) PND 7-14
Pup - Found Dead	2 (2.3)	3 (10.0)	3 (3.4)	4 (6.3)	1 (2.7)
	2 (28.6) PND 5-6	1 (25.0) PND 5-11	3 (37.5) PND 5-9	2 (33.3) PND 7-13	1 (16.7) PND 12
Pup Missing - Presumed Dead	1 (1.2)	6 (20.0)	5 (5.7)	12 (19.0)	11 (29.7)
	1 (14.3) PND 14	2 (50.0) PND 7-13	3 (37.5) PND 5-12	4 (66.7) PND 5-13	3 (50.0) PND 8-17
Respiration	0	1 (3.3)	1 (1.1)	2 (3.2)	0
Audible	0	1 (25.0) PND 5	1 (12.5) PND 5-6	2 (33.3) PND 5	0
Tail Damaged	2 (2.3)	0	0	0	0
	2 (28.6) PND 5-28	0	0	0	0

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#### LEGEND

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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

No. live litters includes litters with 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

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