

Study Number: MOG08002B
Test Type: MOG
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

R20: Pup Necropsy (Gross Observations for Unweaned Pups) Summary

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

Date Report Requested: 07/17/2020
Time Report Requested: 11:09:26
Lab: RTI

Study Number:

MOG08002B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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	F1 Pups			
	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Pups	329	370	388	330
Litters	25	28	29	25
Scheduled Sacrifice				
Mammary Gland Whole Mount		1 (1)	4 (4)	4 (4)
Mammary Gland Whole Mount and Biosamples	12 (12)	11 (11)	8 (8)	7 (7)
Pup Culled	76 (21)	54 (17)	68 (22)	37 (11)
Removed for Biosamples	21 (15)	53 (17)	52 (18)	21 (14)
Scheduled Removal (Terminal)	173 (23)	184 (24)	200 (25)	155 (22)
Scheduled Removal - Sentinel	15 (7)			
Early Deaths				
Cannibalized	1 (1)	3 (2)	10 (1)	3 (3)
Euthanized Humane	1 (1)		1 (1)	3 (2)
Euthanized Moribund	12 (2)	1 (1)		3 (3)
Euthanized, Cannibalized	2 (2)			1 (1)
Found Dead	15 (12)	48 (14)	26 (12)	48 (18)
Pup Missing - Presumed Dead	1 (1)	15 (7)	19 (9)	48 (11)
<hr/>				
No. pups examined	30	51	37	55
No. Litters	16	13	14	18
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Normal	10 (9)	30 (7)	18 (10)	11 (9)

ALIMENTARY SYSTEM
 Abdomen

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	F1 Pups			
	Treatment Groups (ppm)			
	0	338	1125	3750
Intestine, Distended with gas	0 (0.0)	0 (0.0)	0 (0.0)	2 (3.6)
	0 (0.0)	0 (0.0)	0 (0.0)	2 (11.1)
Stomach, Distended with gas	1 (3.3)	0 (0.0)	0 (0.0)	2 (3.6)
	1 (6.3)	0 (0.0)	0 (0.0)	2 (11.1)
Stomach, Milk/food absent	12 (40.0)	1 (2.0)	0 (0.0)	4 (7.3)
	1 (6.3)	1 (7.7)	0 (0.0)	3 (16.7)
Body				
Anus, Atresia	0 (0.0)	0 (0.0)	1 (2.7)	0 (0.0)
	0 (0.0)	0 (0.0)	1 (7.1)	0 (0.0)
CARDIOVASCULAR SYSTEM				
No findings				
ENDOCRINE SYSTEM				
No findings				
GENERAL BODY SYSTEM				
General				
Abdomen, entire, Autolyzed, unable to evaluate	1 (3.3)	4 (7.8)	4 (10.8)	9 (16.4)
	1 (6.3)	4 (30.8)	2 (14.3)	6 (33.3)
General, Autolyzed, unable to evaluate	5 (16.7)	10 (19.6)	4 (10.8)	26 (47.3)
	5 (31.3)	5 (38.5)	4 (28.6)	8 (44.4)
General, Cannibalized, unable to evaluate	1 (3.3)	3 (5.9)	10 (27.0)	4 (7.3)
	1 (6.3)	2 (15.4)	1 (7.1)	3 (16.7)
GENITAL SYSTEM				
No findings				
HEMATOLYMPHOID SYSTEM				
No findings				

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	F1 Pups			
	Treatment Groups (ppm)			
	0	338	1125	3750
INTEGUMENTARY SYSTEM				
Tail				
Tail, Agenesis	0 (0.0)	0 (0.0)	1 (2.7)	0 (0.0)
	0 (0.0)	0 (0.0)	1 (7.1)	0 (0.0)
MUSCULOSKELETAL SYSTEM				
No findings				
NERVOUS SYSTEM				
No findings				
RESPIRATORY SYSTEM				
No findings				
SPECIAL SENSES SYSTEM				
No findings				
URINARY SYSTEM				
Pelvis				
Ureter, bilateral, Distended	0 (0.0)	1 (2.0)	0 (0.0)	0 (0.0)
	0 (0.0)	1 (7.7)	0 (0.0)	0 (0.0)
Ureter, left, Distended	2 (6.7)	1 (2.0)	0 (0.0)	0 (0.0)
	1 (6.3)	1 (7.7)	0 (0.0)	0 (0.0)
Ureter, right, Distended	1 (3.3)	1 (2.0)	0 (0.0)	0 (0.0)
	1 (6.3)	1 (7.7)	0 (0.0)	0 (0.0)

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F2 Pups Fertility Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Disposition Summary				
Pups	211	239	67	
Litters	18	20	9	
Scheduled Sacrifice				
Pup Culled	66 (14)	60 (15)	7 (3)	
Scheduled Removal (Terminal)	130 (18)	147 (19)	47 (9)	
Early Deaths				
Cannibalized	3 (3)	3 (3)		
Found Dead	8 (6)	22 (13)	9 (4)	
Pup Missing - Presumed Dead	4 (3)	7 (5)	4 (1)	
No. pups examined				
	11	25	9	
No. Litters				
	8	13	4	
Normal				
	7 (5)	15 (9)	8 (4)	
ALIMENTARY SYSTEM				
No findings				
CARDIOVASCULAR SYSTEM				
No findings				
ENDOCRINE SYSTEM				
No findings				
GENERAL BODY SYSTEM				
General				

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F2 Pups Fertility Females

	Treatment Groups (ppm)			
	0	338	1125	3750
Abdomen, entire, Autolyzed, unable to evaluate	0 (0.0)	3 (12.0)	0 (0.0)	0 (0.0)
	0 (0.0)	2 (15.4)	0 (0.0)	0 (0.0)
General, Autolyzed, unable to evaluate	1 (9.1)	2 (8.0)	0 (0.0)	0 (0.0)
	1 (12.5)	2 (15.4)	0 (0.0)	0 (0.0)
General, Cannibalized, unable to evaluate	3 (27.3)	3 (12.0)	0 (0.0)	0 (0.0)
	3 (37.5)	3 (23.1)	0 (0.0)	0 (0.0)
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				
URINARY SYSTEM				
Pelvis				
Ureter, bilateral, Distended	0 (0.0)	1 (4.0)	1 (11.1)	0 (0.0)
	0 (0.0)	1 (7.7)	1 (25.0)	0 (0.0)
Ureter, left, Distended	0 (0.0)	1 (4.0)	0 (0.0)	0 (0.0)
	0 (0.0)	1 (7.7)	0 (0.0)	0 (0.0)

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LEGEND

Disposition Summary is Number of pups (litters represented)

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

Dam #1736 of the prenatal cohort delivered prior to scheduled C-section and a pup necropsy was conducted on the 10 pups delivered. Because pup necropsy data was collected on these pups, the data is reflected on this report with the pup necropsy data from the fertility cohort litters.

The F1 3750 ppm animals were unable to produce a F2 generation, hence this group was not evaluated.

**** END OF REPORT ****