

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

**I08: Mean Test Compound Consumption**

**Test Compound:** Bisphenol AF

**CAS Number:** 1478-61-1

**Date Report Requested:** 07/17/2020

**Time Report Requested:** 10:57:19

**Lab:** RTI

**Study Number:**

MOG08002B

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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**F0 Females**

Phase	Days	Treatment Groups (ppm)							
		0		338		1125		3750	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Gestation	6 - 9	0.0 ± 0.0	30	25.0 ± 0.4	31	71.9 ± 3.0	27	330.5 ± 43.8	7
	9 - 12	0.0 ± 0.0	29	24.6 ± 0.3	32	74.8 ± 2.9	32	245.3 ± 19.2	29
	12 - 15	0.0 ± 0.0	30	24.6 ± 0.5	32	104.1 ± 7.1	29	397.1 ± 72.3	3
	15 - 18	0.0 ± 0.0	30	25.9 ± 0.3	32	81.3 ± 1.8	33	259.3 ± 8.4	26
	18 - 21	0.0 ± 0.0	27	22.1 ± 0.6	29	67.3 ± 2.2	30	289.6 ± 13.0	18
	6 - 21	0.0 ± 0.0	27	24.3 ± 0.3	29	80.9 ± 2.6	30	278.7 ± 7.8	26
Lactation	1 - 4	0.0 ± 0.0	24	40.7 ± 1.4	28	184.2 ± 13.5	22	769.7 ± 46.5	13
	4 - 7	0.0 ± 0.0	23	51.4 ± 1.2	24	186.1 ± 4.8	24	600.9 ± 22.4	23
	7 - 10	0.0 ± 0.0	23	64.4 ± 1.6	24	237.5 ± 7.4	25	1034.4 ± 54.0	17
	10 - 13	0.0 ± 0.0	23	69.8 ± 1.5	23	258.7 ± 7.7	23	1009.3 ± 50.0	14
	1 - 13	0.0 ± 0.0	23	57.0 ± 1.3	24	223.1 ± 6.0	25	852.3 ± 34.5	22

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**F1 Males: Subchronic Male**

Phase	Days	Treatment Groups (ppm)							
		0		338		1125		3750	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	98 - 105	0.0 ± 0.0	5	20.3 ± 1.1	5	69.4 ± 4.8	4	264.5 ± 6.6	5
	105 - 112	0.0 ± 0.0	5	20.1 ± 1.3	5	75.4 ± 8.9	4	263.5 ± 6.1	5
	28 - 112	0.0 ± 0.0	5	26.5 ± 1.1	5	91.9 ± 7.5	4	370.2 ± 12.8	5

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**F1 Females: Subchronic Females**

Phase	Days	Treatment Groups (ppm)							
		0		338		1125		3750	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	98 - 105	0.0 ± 0.0	5	27.3 ± 2.4	5	96.5 ± 6.3	4	269.3 ± 4.4	5
	105 - 112	0.0 ± 0.0	5	25.7 ± 1.7	5	99.9 ± 11.7	3	271.8 ± 2.5	5
	28 - 112	0.0 ± 0.0	5	32.4 ± 2.2	5	106.7 ± 3.0	4	371.2 ± 10.9	5

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**F1 Females: Prenatal Females**

Phase	Days	Treatment Groups (ppm)					
		0		338		1125	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Gestation	0 - 3	0.0 ± 0.0	16	29.1 ± 1.4	15	119.3 ± 8.1	10
	3 - 6	0.0 ± 0.0	16	25.1 ± 0.5	20	84.6 ± 3.0	14
	6 - 9	0.0 ± 0.0	16	28.7 ± 1.4	17	106.8 ± 10.2	10
	9 - 12	0.0 ± 0.0	16	24.0 ± 0.4	19	76.5 ± 2.4	15
	12 - 15	0.0 ± 0.0	16	27.6 ± 1.4	19	115.3 ± 6.5	13
	15 - 18	0.0 ± 0.0	16	25.5 ± 0.5	20	81.2 ± 2.2	15
	18 - 21	0.0 ± 0.0	16	23.4 ± 0.8	20	86.2 ± 5.2	9
	0 - 21	0.0 ± 0.0	16	26.1 ± 0.6	20	92.7 ± 3.3	15

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**F1 Females: Fertility Females**

Phase	Days	Treatment Groups (ppm)					
		0		338		1125	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Gestation	0 - 3	0.0 ± 0.0	16	29.4 ± 1.2	18	106.8 ± 8.3	7
	3 - 6	0.0 ± 0.0	15	26.7 ± 0.7	19	85.4 ± 1.7	8
	6 - 9	0.0 ± 0.0	16	28.9 ± 1.4	17	108.8 ± 9.0	8
	9 - 12	0.0 ± 0.0	16	24.5 ± 0.5	18	75.5 ± 1.9	9
	12 - 15	0.0 ± 0.0	16	26.6 ± 0.7	19	113.6 ± 12.0	8
	15 - 18	0.0 ± 0.0	16	25.5 ± 0.4	18	80.5 ± 2.9	9
	18 - 21	0.0 ± 0.0	15	23.7 ± 0.8	19	85.7 ± 5.0	7
	0 - 21	0.0 ± 0.0	16	26.2 ± 0.6	19	91.6 ± 3.8	9
Lactation	1 - 4	0.0 ± 0.0	18	41.5 ± 1.7	18	119.8 ± 13.7	8
	4 - 7	0.0 ± 0.0	18	46.3 ± 1.4	19	139.0 ± 11.6	7
	7 - 10	0.0 ± 0.0	16	59.6 ± 1.6	19	161.3 ± 19.8	8
	10 - 13	0.0 ± 0.0	18	65.1 ± 1.4	19	189.3 ± 22.1	9
	1 - 13	0.0 ± 0.0	18	53.4 ± 1.2	19	162.4 ± 18.0	9

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**F2 Males**

**Treatment Groups (ppm)**

Phase	Days	0		338		1125	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	28 - 35	0.0 ± 0.0	24	43.6 ± 0.8	34	136.3 ± 3.3	13
	35 - 42	0.0 ± 0.0	24	41.2 ± 1.2	34	132.5 ± 2.9	12
	42 - 49	0.0 ± 0.0	24	35.0 ± 0.3	34	121.3 ± 2.4	12
	49 - 56	0.0 ± 0.0	24	31.3 ± 0.3	34	107.9 ± 2.2	13
	56 - 63	0.0 ± 0.0	24	28.9 ± 0.4	34	98.4 ± 2.9	13
	63 - 70	0.0 ± 0.0	24	25.8 ± 0.3	34	91.0 ± 3.1	13
	70 - 77	0.0 ± 0.0	24	23.5 ± 0.3	34	80.8 ± 1.3	13
	77 - 84	0.0 ± 0.0	24	22.1 ± 0.5	34	74.6 ± 0.9	13
	84 - 91	0.0 ± 0.0	24	21.3 ± 0.4	34	69.2 ± 1.3	13
28 - 91	0.0 ± 0.0	24	28.1 ± 0.2	34	94.2 ± 1.4	13	

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**F2 Females**

Phase	Days	Treatment Groups (ppm)					
		0		338		1125	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	28 - 35	0.0 ± 0.0	37	43.6 ± 1.0	37	139.2 ± 2.7	10
	35 - 42	0.0 ± 0.0	37	38.2 ± 1.0	36	132.4 ± 4.9	10
	42 - 49	0.0 ± 0.0	37	35.5 ± 0.6	37	127.5 ± 5.5	10
	49 - 56	0.0 ± 0.0	37	33.9 ± 0.7	35	113.9 ± 5.3	10
	56 - 63	0.0 ± 0.0	37	31.4 ± 0.6	37	106.8 ± 5.0	8
	63 - 70	0.0 ± 0.0	37	29.7 ± 0.6	37	99.5 ± 3.9	8
	70 - 77	0.0 ± 0.0	37	28.8 ± 0.8	36	100.2 ± 4.8	10
	77 - 84	0.0 ± 0.0	37	28.3 ± 0.6	36	93.2 ± 3.6	9
	84 - 91	0.0 ± 0.0	37	24.7 ± 0.4	37	86.6 ± 3.8	10
28 - 91	0.0 ± 0.0	37	31.8 ± 0.5	37	108.4 ± 3.2	10	



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**F1 Males: All F1 Males**

Phase	Days	Treatment Groups (ppm)							
		0		338		1125		3750	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	28 - 35	0.0 ± 0.0	25	43.3 ± 0.5	26	146.4 ± 2.2	24	632.9 ± 28.9	23
	35 - 42	0.0 ± 0.0	25	41.3 ± 0.5	26	137.8 ± 3.3	24	549.8 ± 18.3	24
	42 - 49	0.0 ± 0.0	25	35.8 ± 0.4	26	129.1 ± 3.6	23	596.8 ± 17.9	19
	49 - 56	0.0 ± 0.0	25	31.3 ± 0.3	26	113.1 ± 2.5	24	536.2 ± 25.4	12
	56 - 63	0.0 ± 0.0	25	28.7 ± 0.4	25	101.2 ± 1.9	24	503.5 ± 24.5	10
	63 - 70	0.0 ± 0.0	25	26.3 ± 0.3	26	90.8 ± 1.1	23	438.4 ± 16.5	19
	70 - 77	0.0 ± 0.0	25	25.5 ± 0.4	24	88.1 ± 3.5	24	370.2 ± 10.9	16
	77 - 84	0.0 ± 0.0	25	24.1 ± 0.5	22	88.2 ± 2.3	18	391.8 ± 21.9	13
	84 - 91	0.0 ± 0.0	25	22.0 ± 0.5	26	78.7 ± 1.5	20	302.7 ± 7.7	24
	91 - 98	0.0 ± 0.0	25	21.1 ± 0.5	26	77.2 ± 2.3	24	279.6 ± 5.6	25
	28 - 98	0.0 ± 0.0	25	27.7 ± 0.3	26	97.5 ± 1.5	24	410.6 ± 8.2	25

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**F1 Females: All F1 Females**

Phase	Days	Treatment Groups (ppm)							
		0		338		1125		3750	
		Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N	Dose/Day (mg/kg/animal/day)	N
Postnatal	28 - 35	0.0 ± 0.0	29	43.3 ± 0.5	29	145.6 ± 2.3	23	569.0 ± 24.3	22
	35 - 42	0.0 ± 0.0	25	43.5 ± 2.6	26	135.5 ± 2.3	24	500.1 ± 13.2	23
	42 - 49	0.0 ± 0.0	25	37.4 ± 0.9	26	132.1 ± 3.4	24	552.2 ± 22.0	22
	49 - 56	0.0 ± 0.0	25	34.8 ± 0.9	26	122.9 ± 4.0	24	496.9 ± 19.9	23
	56 - 63	0.0 ± 0.0	25	31.3 ± 0.8	26	115.5 ± 3.8	23	451.5 ± 20.0	17
	63 - 70	0.0 ± 0.0	25	29.3 ± 0.6	23	107.4 ± 4.0	22	398.7 ± 11.1	23
	70 - 77	0.0 ± 0.0	24	29.5 ± 1.1	19	112.4 ± 4.4	18	344.1 ± 14.7	19
	77 - 84	0.0 ± 0.0	25	29.1 ± 1.0	20	118.4 ± 7.2	10	378.9 ± 14.3	18
	84 - 91	0.0 ± 0.0	25	28.4 ± 1.0	23	98.9 ± 2.4	21	297.7 ± 3.8	23
	91 - 98	0.0 ± 0.0	25	25.3 ± 0.7	24	90.5 ± 2.6	18	286.3 ± 3.1	23
	28 - 98	0.0 ± 0.0	25	31.9 ± 0.6	26	113.0 ± 2.3	24	410.8 ± 7.2	24

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#### LEGEND

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Reported as the mean  $\pm$  SEM. N is the number of animals, number of cages for group housed adult animals or number of litters.

Chemical intake values were excluded when excessive spillage was recorded.

Statistical analysis was not performed on this data.

Consumption is not reported for the non-pregnant animals during gestation and lactation phases

Consumption is not reported for animals during mating

Implausible feed weights that were excluded as outliers included - for one F0 female GD12-15 in the 1125 ppm group, one F0 female LD10-13 in the 338 ppm group, one F1 Fertility Female GD3-6 in the 1125 ppm group, two F1 Fertility Female LD7-10 in the control group, one F1 Fertility Female LD1-4 in the 338 ppm group, and one F1 Prenatal Female GD9-12 in the 338 ppm group.

All F1 Males includes all animals until PND 98. The F1 Subchronic Cohort was sacrificed on PND 115-119. The F1 Prenatal Cohort was sacrificed on PND 119-121.

All F1 Females include all animals until PND 98 except those removed on day of vaginal opening (PND 26-39) for Mammary Gland Whole Mounts.

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

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