

Study Number: MOG08002B

Test Type: MOG

Route: Dosing in Feed

Species/Strain: Rat/Sprague-Dawley

## Pup Mean Body Weight Summary

Test Compound: Bisphenol AF

CAS Number: 1478-61-1

Date Report Requested: 09/01/2020

Time Report Requested: 04:45:12

Lab: RTI

### F1 Males

#### Treatment Groups (ppm)

Phase Day	0		338			1125			3750		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1 (unadjusted)	6.80 ± 0.09 **	135 (24)	6.76 ± 0.16	99.38	168 (28)	6.20 ± 0.13 **	91.25	178 (28)	6.01 ± 0.17 **	88.42	136 (23)
PND4 (unadjusted)	9.61 ± 0.26 **	135 (24)	9.96 ± 0.26	103.66	164 (27)	8.58 ± 0.21 **	89.34	175 (28)	8.08 ± 0.28 **	84.13	125 (23)
PND1	6.82 ± 0.07 **	135 (24)	6.58 ± 0.17	96.46	168 (28)	6.18 ± 0.12 **	90.57	178 (28)	5.84 ± 0.19 **	85.61	136 (23)
PND4	9.65 ± 0.23 **	135 (24)	9.70 ± 0.20	100.50	164 (27)	8.53 ± 0.18 **	88.40	175 (28)	7.74 ± 0.32 **	80.21	125 (23)
PND4 (postcull)	9.76 ± 0.20 **	104 (23)	9.74 ± 0.25	99.82	118 (24)	8.63 ± 0.20 **	88.44	117 (25)	8.00 ± 0.31 **	82.00	106 (23)
PND7	14.43 ± 0.32 **	104 (23)	14.38 ± 0.41	99.65	118 (24)	12.48 ± 0.35 **	86.52	117 (25)	11.93 ± 0.46 **	82.66	106 (23)
PND10	20.75 ± 0.41 **	103 (23)	20.26 ± 0.61	97.67	116 (24)	17.97 ± 0.56 **	86.60	113 (25)	16.99 ± 0.50 **	81.90	105 (22)
PND13	27.57 ± 0.47 **	102 (23)	26.77 ± 0.73	97.09	115 (24)	24.08 ± 0.56 **	87.33	111 (25)	21.55 ± 0.56 **	78.14	104 (22)
PND16	34.69 ± 0.54 **	102 (23)	33.66 ± 0.74	97.02	113 (24)	30.54 ± 0.61 **	88.03	111 (25)	26.04 ± 0.53 **	75.06	102 (22)
PND19	40.67 ± 0.66 **	102 (23)	39.67 ± 0.74	97.53	113 (24)	35.91 ± 0.71 **	88.28	111 (25)	29.15 ± 0.63 **	71.67	102 (22)
PND21	46.75 ± 0.79 **	102 (23)	45.81 ± 0.92	97.99	113 (24)	41.49 ± 0.87 **	88.75	111 (25)	31.89 ± 0.80 **	68.22	102 (22)
PND25	62.52 ± 1.11 **	102 (23)	61.19 ± 1.15	97.88	113 (24)	55.56 ± 1.13 **	88.87	111 (25)	42.94 ± 1.24 **	68.68	102 (22)
PND28	77.54 ± 1.30 **	102 (23)	76.34 ± 1.38	98.46	113 (24)	68.49 ± 1.31 **	88.33	111 (25)	53.94 ± 1.48 **	69.56	102 (22)

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### F1 Females

#### Treatment Groups (ppm)

Phase Day	0		338			1125			3750		
	WT (g)	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N	WT (g)	% of CNTL	N
PND1 (unadjusted)	6.53 ± 0.09 **	179 (24)	6.47 ± 0.13	99.20	151 (27)	6.00 ± 0.13 **	91.88	176 (28)	5.68 ± 0.14 **	87.09	127 (22)
PND4 (unadjusted)	9.10 ± 0.26 **	177 (24)	9.42 ± 0.24	103.57	149 (27)	8.43 ± 0.23	92.65	173 (28)	7.80 ± 0.23 **	85.77	118 (22)
PND1	6.57 ± 0.07 **	179 (24)	6.34 ± 0.12	96.46	151 (27)	5.98 ± 0.11 **	91.06	176 (28)	5.56 ± 0.12 **	84.71	127 (22)
PND4	9.17 ± 0.22 **	177 (24)	9.15 ± 0.19	99.78	149 (27)	8.40 ± 0.19 *	91.52	173 (28)	7.57 ± 0.19 **	82.52	118 (22)
PND4 (postcull)	9.25 ± 0.19 **	121 (23)	9.19 ± 0.21	99.32	108 (24)	8.55 ± 0.21	92.43	125 (25)	7.71 ± 0.28 **	83.29	96 (22)
PND7	13.79 ± 0.29 **	121 (23)	13.52 ± 0.39	98.09	108 (24)	12.46 ± 0.35 *	90.42	125 (25)	11.28 ± 0.41 **	81.82	96 (22)
PND10	19.57 ± 0.40 **	121 (23)	19.36 ± 0.56	98.94	105 (24)	17.54 ± 0.53 *	89.61	125 (25)	16.01 ± 0.47 **	81.79	93 (22)
PND13	26.18 ± 0.53 **	121 (23)	25.70 ± 0.63	98.18	105 (24)	23.49 ± 0.52 **	89.74	122 (25)	20.75 ± 0.53 **	79.25	90 (22)
PND16	33.02 ± 0.58 **	120 (23)	32.26 ± 0.63	97.70	105 (24)	29.53 ± 0.60 **	89.43	122 (25)	25.14 ± 0.55 **	76.13	89 (22)
PND19	38.68 ± 0.68 **	120 (23)	38.16 ± 0.65	98.64	105 (24)	34.52 ± 0.67 **	89.25	122 (25)	28.39 ± 0.70 **	73.39	88 (22)
PND21	44.34 ± 0.80 **	120 (23)	43.36 ± 0.84	97.79	105 (24)	39.44 ± 0.87 **	88.96	122 (25)	31.33 ± 0.84 **	70.65	88 (22)
PND25	58.53 ± 1.18 **	120 (23)	56.41 ± 0.95	96.38	105 (24)	52.75 ± 1.20 **	90.11	122 (25)	41.53 ± 1.11 **	70.95	88 (22)
PND28	71.32 ± 1.34 **	120 (23)	69.14 ± 1.13	96.95	104 (24)	64.65 ± 1.31 **	90.65	119 (25)	51.92 ± 1.33 **	72.80	88 (22)

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## Pup Mean Body Weight Summary

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### LEGEND

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N = the number of pups (number of litters)

Data are displayed as the means and standard errors of the litter means.

PND - Postnatal Day, pups pre-weaning

Statistical analysis performed using mixed models, with litter as random effect for both trend and pairwise tests, and using Dunnett-Hsu adjustments for multiple comparisons.

Pup weights are adjusted for covariate litter size for all postnatal days. Total live on PND 1 for day 1 to cull day, and number of live pups after culling for later weight days.

Unadjusted pup weights may also be reported for select postnatal days.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

Pup weights were excluded as outliers for the F1 338 ppm group for one female pup on PND 10 along with the weight gain intervals bounded by these excluded observations, for both the combined sex ("Pup") and separate sex analyses.

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