

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

PA48: Summary of Tissue Concentration

Test Compound: Bisphenol AF

CAS Number: 1478-61-1

Date Report Requested: 05/08/2020

Time Report Requested: 06:39:12

Lab: RTI

Study Number:

MOG08002B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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

PA48: Summary of Tissue Concentration
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 05/08/2020
Time Report Requested: 06:39:12
Lab: RTI

		F0 Female							
Phase	Dose (ppm)	0	338			1125		3750	
GD 18	Free Bisphenol AF Concentration in Plasma (ng/ml)	BD	28.7 ± 15.7 (3)			70.4 ± 11.3 (3)		73.3 ± 1.66 (3)	
GD 18	Total Bisphenol AF Concentration in Plasma (ng/ml)	0.567 ± 0.157 (3) **	1780 ± 234 (3) *			9490 ± 2740 (3) **		17900 ± 2450 (3) **	
GD 18	Free Bisphenol AF Concentration in Amniotic Fluid (ng/ml)	BD	1.88 ± 0.695 (3)			8.51 ± 2.51 (3)		17.4 ± 2.38 (3)	
GD 18	Total Bisphenol AF Concentration in Amniotic Fluid (ng/ml)	BD	9.84 ± 2.96 (3)			38.0 ± 13.5 (3)		95.9 ± 26.2 (3)	
GD 18	Free Bisphenol AF Concentration in Pooled Fetuses (ng/g)	BD	37.3 ± 4.14 (3)			233 ± 24.7 (3)		274 ± 23.6 (3)	
GD 18	Total Bisphenol AF Concentration in Pooled Fetuses (ng/g)	BD	140 ± 30.5 (3)			828 ± 60.7 (3)		1090 ± 121 (3)	
LD 4	Free Bisphenol AF Concentration in Plasma (ng/ml)	NR	13.1 ± 7.49 (3)			43.1 ± 13.8 (3)		NR	
LD 28	Free Bisphenol AF Concentration in Plasma (ng/ml)	BD	17.7 ± 6.98 (3)			45.1 ± 12.2 (3)		104 ± 23.3 (3)	
LD 4	Total Bisphenol AF Concentration in Plasma (ng/ml)	NR	1890 ± 1270 (3)			9700 ± 3170 (3)		NR	
LD 28	Total Bisphenol AF Concentration in Plasma (ng/ml)	BD	4820 ± 1930 (3)			17800 ± 2850 (3)		31000 ± 9270 (3)	

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

PA48: Summary of Tissue Concentration
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 05/08/2020
Time Report Requested: 06:39:12
Lab: RTI

		F1 Male							
Phase	Dose (ppm)	0	338		1125		3750		
PND 4	Free Bisphenol AF Concentration in Plasma (ng/ml)	BD	7.44 ±	1.02 (3)	246 ±	130 (3)	360 ±	68.4 (3)	
PND 28	Free Bisphenol AF Concentration in Plasma (ng/ml)	0.657 ± 0.157 (6) **	45.1 ±	11.2 (6) **	74.3 ±	12.2 (6) **	146 ±	25.8 (6) **	
PND 4	Total Bisphenol AF Concentration in Plasma (ng/ml)	3.40 ± 0.738 (3) **	32.4 ±	12.0 (3) *	461 ±	235 (3) *	3070 ±	921 (3) *	
PND 28	Total Bisphenol AF Concentration in Plasma (ng/ml)	1.78 ± 0.393 (6) **	11700 ±	1510 (6) **	20900 ±	3360 (6) **	38700 ±	5380 (6) **	

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

PA48: Summary of Tissue Concentration
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 05/08/2020
Time Report Requested: 06:39:12
Lab: RTI

		F1 Female							
Phase	Dose (ppm)	0	338			1125		3750	
PND 4	Free Bisphenol AF Concentration in Plasma (ng/ml)	BD	7.36 ± 0.869 (3)			211 ± 70.3 (3)		816 ± 29.2 (3)	
PND 28	Free Bisphenol AF Concentration in Plasma (ng/ml)	BD	29.6 ± 5.50 (6)			94.3 ± 16.6 (6)		172 ± 29.3 (6)	
PND 4	Total Bisphenol AF Concentration in Plasma (ng/ml)	5.89 ± 2.23 (4) **	28.3 ± 5.90 (3) *			701 ± 261 (3) *		1960 ± 475 (3) *	
PND 28	Total Bisphenol AF Concentration in Plasma (ng/ml)	2.03 ± 0.759 (6) **	6390 ± 860 (6) **			24900 ± 4250 (6) **		41200 ± 6670 (6) **	

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

PA48: Summary of Tissue Concentration
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 05/08/2020
Time Report Requested: 06:39:12
Lab: RTI

LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day

If over 20% of the animals in a group are above the limit of detection, then 1/2 the limit of detection value is substituted for values that are below the limit of detection.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated; no statistical analysis was done for the endpoint.

For GD 18 and PND 28 endpoints, statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

For PND 4 endpoints, statistical analysis performed using a bootstrapped Jonckheere test for trend and a Datta-Satten modified Wilcoxon test with Hommel adjustment for pairwise comparisons.

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 $P \leq 0.01$

The PND 4 Total BPAF - Plasma value for one female pup in the 1125 ppm dose group was removed as an implausible value.

BD - Group did not have over 20% of its values above the limit of detection.

NR not recorded

**** END OF REPORT ****