

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

Study Number: MOG08002B
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.0.9

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

F1 Female: Prenatal Females

	Classification	Treatment Groups (ppm)		
		0	338	1125
Total number of fetuses examined		234	265	102
	External			
No. Fetuses examined		234	265	102
No. Litters examined		16	20	14
limbs				
Limb, right hind, Clubbed limb	Malformation	0 (0.00)	1 (0.38)	0 (0.00)
		0 (0.00)	1 (5.00)	0 (0.00)

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

F1 Female: Prenatal Females

	Classification	Treatment Groups (ppm)		
		0	338	1125
Visceral				
No. Fetuses examined		234	265	102
No. Litters examined		16	20	14
abdomen				
Kidney, right, Hydronephrosis	Malformation	0 (0.00)	1 (0.38)	0 (0.00)
		0 (0.00)	1 (5.00)	0 (0.00)
Renal pelvis, bilateral, Dilated	Variation	0 (0.00)	1 (0.38)	0 (0.00)
		0 (0.00)	1 (5.00)	0 (0.00)
Renal pelvis, left, Dilated	Variation	1 (0.43)	0 (0.00)	0 (0.00)
		1 (6.25)	0 (0.00)	0 (0.00)
Renal pelvis, right, Dilated	Variation	0 (0.00)	0 (0.00)	1 (0.98)
		0 (0.00)	0 (0.00)	1 (7.14)
Renal pelvis, Dilated, total	Variation	1 (0.43)	1 (0.38)	1 (0.98)
		1 (6.25)	1 (5.00)	1 (7.14)
pelvis				
Ureter, bilateral, Distended	Variation	3 (1.28)	20 (7.55)	5 (4.90)
		2 (12.50)	6 (30.00)	3 (21.43)
Ureter, bilateral, Hydroureter	Malformation	0 (0.00)	3 (1.13)	1 (0.98)
		0 (0.00)	2 (10.00)	1 (7.14)
Ureter, left, Distended	Variation	7 (2.99)	4 (1.51)	5 (4.90)
		4 (25.00)	4 (20.00)	3 (21.43)
Ureter, right, Distended	Variation	6 (2.56)	6 (2.26)	2 (1.96)
		4 (25.00)	5 (25.00)	2 (14.29)
Ureter, right, Hydroureter	Malformation	1 (0.43)	0 (0.00)	1 (0.98)
		1 (6.25)	0 (0.00)	1 (7.14)
Ureter, Distended, total	Variation	16 (6.84)	30 (11.32)	12 (11.76)
		7 (43.75)	9 (45.00)	6 (42.86)
Ureter, Hydroureter, total	Malformation	1 (0.43)	3 (1.13)	2 (1.96)

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

F1 Female: Prenatal Females

	Classification	Treatment Groups (ppm)		
		0	338	1125
thorax (excluding heart)		1 (6.25)	2 (10.00)	1 (7.14)
Innominate artery, Agenesis	Variation	0 (0.00)	2 (0.75)	0 (0.00)
		0 (0.00)	2 (10.00)	0 (0.00)
	Head			
No. Fetuses examined		117	127	48
No. Litters examined		16	19	13
head				
Lateral ventricle, bilateral, Dilated	Variation	0 (0.00)	0 (0.00)	4 (8.33)
		0 (0.00)	0 (0.00)	4 (30.77)
Lateral ventricle, left, Misshapen	Variation	0 (0.00)	0 (0.00)	1 (2.08)
		0 (0.00)	0 (0.00)	1 (7.69)

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

F1 Female: Prenatal Females

	Classification	Treatment Groups (ppm)		
		0	338	1125
Skeletal - Body				
No. Fetuses examined		234	265	102
No. Litters examined		16	20	14
ribs				
Rib, bilateral, Lumbar I rudimentary	Variation	3 (1.28)	6 (2.26)	9 (8.82)
		2 (12.50)	4 (20.00)	3 (21.43)
Rib, left, Lumbar I full	Malformation	0 (0.00)	1 (0.38)	0 (0.00)
		0 (0.00)	1 (5.00)	0 (0.00)
Rib, left, Lumbar I rudimentary	Variation	5 (2.14)	9 (3.40)	5 (4.90)
		4 (25.00)	8 (40.00)	3 (21.43)
Rib, right, Lumbar I full	Malformation	0 (0.00)	3 (1.13)	0 (0.00)
		0 (0.00)	2 (10.00)	0 (0.00)
Rib, right, Lumbar I rudimentary	Variation	3 (1.28)	4 (1.51)	0 (0.00)
		3 (18.75)	3 (15.00)	0 (0.00)
Rib, Lumbar I rudimentary, total	Variation	11 (4.70)	19 (7.17)	14 (13.73)
		6 (37.50)	10 (50.00)	4 (28.57)
Rib, Lumbar I full, total	Malformation	0 (0.00)	4 (1.51)	0 (0.00)
		0 (0.00)	3 (15.00)	0 (0.00)
sternebrae				
Sternebra II, Incomplete ossification	Variation	0 (0.00)	0 (0.00)	1 (0.98)
		0 (0.00)	0 (0.00)	1 (7.14)
Sternebra V, Incomplete ossification	Variation	0 (0.00)	0 (0.00)	1 (0.98)
		0 (0.00)	0 (0.00)	1 (7.14)
thoracic vertebrae				
Thoracic centrum, Bipartite ossification, Dumbbell cartilage	Variation	0 (0.00)	0 (0.00)	1 (0.98)
		0 (0.00)	0 (0.00)	1 (7.14)
Thoracic centrum, Bipartite ossification, Normal cartilage	Variation	0 (0.00)	1 (0.38)	0 (0.00)
		0 (0.00)	1 (5.00)	0 (0.00)

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

F1 Female: Prenatal Females

	Classification	Treatment Groups (ppm)		
		0	338	1125
Thoracic centrum, Dumbbell ossification, Dumbbell cartilage	Variation	0 (0.00)	1 (0.38)	0 (0.00)
		0 (0.00)	1 (5.00)	0 (0.00)
Thoracic centrum, Dumbbell ossification, Normal cartilage	Variation	1 (0.43)	0 (0.00)	0 (0.00)
		1 (6.25)	0 (0.00)	0 (0.00)
	Skeletal - Skull			
No. Fetuses examined		117	132	54
No. Litters examined		16	20	14

NO VISIBLE LESIONS PRESENT

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

R10: Fetal Defects
Test Compound: Bisphenol AF
CAS Number: 1478-61-1

Date Report Requested: 11/04/2020
Time Report Requested: 09:46:36
Lab: RTI

LEGEND

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

Trend and pairwise significance levels are determined using one-sided tests.

Statistical analysis for fetal data including litter effects were performed by using a Rao-Scott modification to the Cochran-Armitage test where the litter was the random effect for both trend and pairwise analysis.

Statistically significant at $P \leq 0.05$ (litter based analysis)

Statistically significant at $P \leq 0.01$ (litter based analysis)

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

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

**** END OF REPORT ****