

TEST REPORT

APPLICANT : Xindao B.V.

ADDRESS : P.O. Box 3082, 2280 GB, Rijswijk, The Netherland

SAMPLE DESCRIPTION : Squared lockable leak proof tritan water bottle

ITEM NO. : P436.25

COUNTRY OF ORIGIN : China

COUNTRY OF DESTINATION : Europe

SAMPLE RECEIVED DATE : 03-Dec-2018

TURN AROUND TIME : 03-Dec-2018 to 12-Dec-2018

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	RESULT
Bisphenol A (BPA) Content	Pass
Overall Migration	Pass
Specific Migration of Heavy Metal	Pass

Eurofins (Shanghai) contact information

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***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins Product Testing Service (Shanghai) Co., Ltd



Lemon Zhang
Chemical Lab Supervisor

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SAMPLE PHOTO



EFSH18120100-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Transparent blue tritan plastic (lid/body)	B
2	White PP plastic (lid)	B
3	White O-ring silicone	A B C

TO BE CONTINUED

TEST RESULT

Bisphenol A (BPA) Content

Test Requested : In accordance with French Law No. 2012/1442, and DGCCRF Food contact suitability of organic materials from synthetic materials – 05/09/2017.

Test Method : Extraction with organic solvent, analysis by GC-MS and LC-MS

Test item(s)	Limit	Unit	MDL	Result
				2
Bisphenol A (BPA) content	0.1	mg/kg	0.1	ND

Note:

- (1) mg/kg = milligram per kilogram
- (2) MDL = method detection limit
- (3) ND = not detected (<MDL)
- (4) As per client's request, only the appointed materials have been tested.

TO BE CONTINUED

TEST RESULT

Overall Migration

Test Requested : To determine the Overall Migration for compliance with Commission Regulation (EU) No 10/2011 and its amendments relating to plastic materials and articles intended to come into contact with foodstuffs.

Test Method : By reference to EU 10/2011 for selection of test condition;
With reference to EN 1186-1:2002 for selection of test methods;
or EN1186-3:2002 aqueous food simulants by total immersion method;
or EN1186-9:2002 aqueous food simulants by article filling method;
or EN1186-2:2002 olive oil by total immersion method;
or EN1186-8:2002 olive oil by article filling method;
or EN 1186-14:2002 substitute test

Simulant used	Time	Temperature	Max. Permissible Limit	Result
				1
3% Acetic Acid (W/V) Aqueous Solution	2hrs	70°C	10 mg/dm ²	3.2 mg/dm ²
50% Ethanol (V/V) Aqueous Solution	2hrs	70°C	10 mg/dm ²	<3.0 mg/dm ²

Simulant used	Time	Temperature	Max. Permissible Limit	Result
				2
3% Acetic Acid (W/V) Aqueous Solution	2hrs	70°C	10 mg/dm ²	<3.0 mg/dm ²
50% Ethanol (V/V) Aqueous Solution	2hrs	70°C	10 mg/dm ²	<3.0 mg/dm ²

Simulant used	Time	Temperature	Max. Permissible Limit	Result
				3
3% Acetic Acid (W/V) Aqueous Solution	2hrs	70°C	10 mg/dm ²	<3.0 mg/dm ²
50% Ethanol (V/V) Aqueous Solution	2hrs	70°C	10 mg/dm ²	<3.0 mg/dm ²

Note :

- (1) mg/dm²=milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C=degree Celsius
- (4) <= less than
- (5) Analytical tolerance of aqueous simulants is 1 mg/dm² or 6mg/kg
- (6) Analytical tolerance of fatty food simulants is 3 mg/dm² or 20mg/kg
- (7) Test condition & simulant were specified by client.

TO BE CONTINUED

TEST RESULT

Specific Migration of Heavy Metal

Test Requested : To determine the Specific Migration of Heavy Metal for compliance with Commission Regulation (EU) No 10/2011 and its amendments on plastic materials and articles intended to come into contact with food.

Test Method : With reference to Regulation (EU) 10/2011 for selection of test condition and EN 13130-1:2004 for test preparation method; analysis was performed by ICP-OES.

Simulant Used: 3% Acetic Acid (W/V) Aqueous Solution.

Test Condition: 70 °C 2 hours

Tested Item(s)	Unit	Limit	MDL	Result	
				1	2
Aluminium	mg/kg	1	0.1	ND	ND
Barium	mg/kg	1	0.25	ND	ND
Cobalt	mg/kg	0.05	0.05	ND	ND
Copper	mg/kg	5	0.25	ND	ND
Iron	mg/kg	48	0.25	ND	ND
Lithium	mg/kg	0.6	0.5	ND	ND
Manganese	mg/kg	0.6	0.05	ND	ND
Zinc	mg/kg	5	0.5	ND	ND
Nickel	mg/kg	*0.02	0.01	ND	ND

Note:

- (1) mg/kg = milligram per kilogram
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected(<MDL)
- (4) Test condition & simulant were specified by client.
- (5) "*", Requirement for migration of Nickel is 0.02mg/kg for (EU) 2017/752.

END OF THE REPORT