

# TEST REPORT

**APPLICANT** : Xindao B.V.

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

**SAMPLE DESCRIPTION** : Honeycomb lockable leak proof infuser bottle

**ITEM NO.** : P436.26

**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**

**Customer service:** [ElsieWu@eurofins.com](mailto:ElsieWu@eurofins.com) / +86 21 36202808

**Sales specialist:** [WandyShen@eurofins.com](mailto:WandyShen@eurofins.com) / +86 18616155723

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

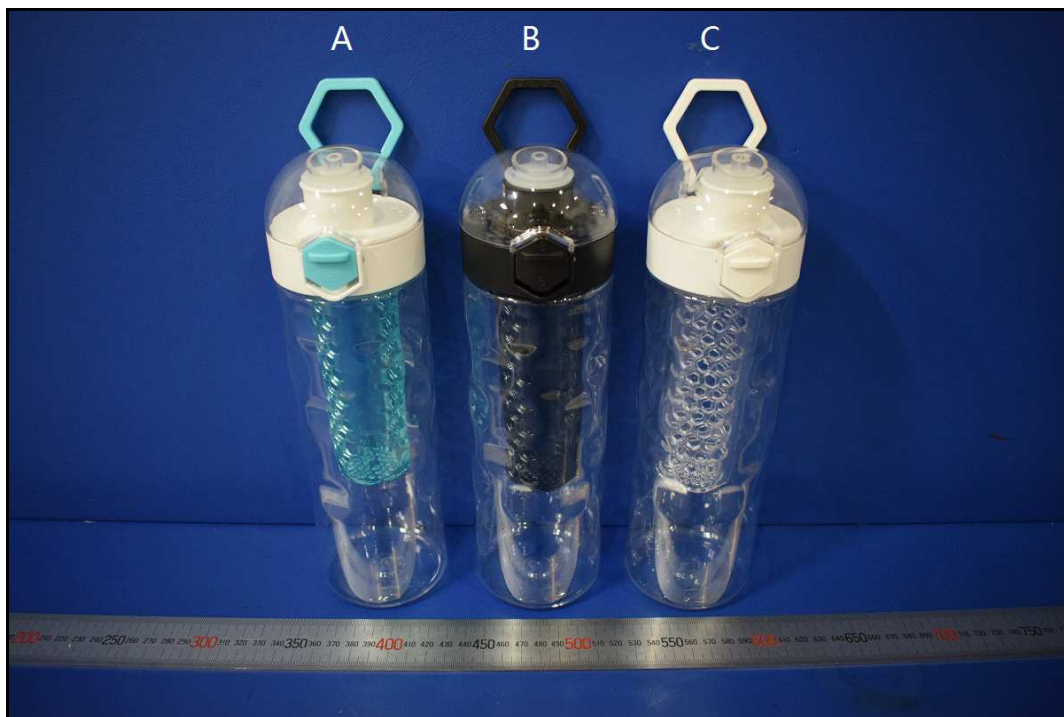
Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd



Lemon Zhang  
Chemical Lab Supervisor

*Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.sh@eurofins.com](mailto:info.sh@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [china.complaint@eurofins.com](mailto:china.complaint@eurofins.com) and referring to this report number.*

**SAMPLE PHOTO**



**EFSH18120098-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

**COMPONENT LIST**

Component No.	Component	Sample No.
1	Transparent tritan plastic (lid/body)	A B C
2	White PP plastic (lid/handle/switch)	A C
3	Transparent blue AS plastic (infuser)	A
4	Transparent big silicone (white lid)	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	3
Bisphenol A (BPA) content	0.1	mg/kg	0.1	ND	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 <sup>2</sup>	<3.0 mg/dm <sup>2</sup>
50% Ethanol (V/V) Aqueous Solution	2hrs	70°C	10 mg/dm <sup>2</sup>	<3.0 mg/dm <sup>2</sup>

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

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

Simulant used	Time	Temperature	Max. Permissible Limit	Result
				4
3% Acetic Acid (W/V) Aqueous Solution	2hrs	70°C	10 mg/dm <sup>2</sup>	<3.0 mg/dm <sup>2</sup>
50% Ethanol (V/V) Aqueous Solution	2hrs	70°C	10 mg/dm <sup>2</sup>	<3.0 mg/dm <sup>2</sup>

**Note :**

- (1) mg/dm<sup>2</sup>=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/dm<sup>2</sup> or 6mg/kg
- (6) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup> 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	3
Aluminium	mg/kg	1	0.1	ND	ND	ND
Barium	mg/kg	1	0.25	ND	ND	ND
Cobalt	mg/kg	0.05	0.05	ND	ND	ND
Copper	mg/kg	5	0.25	ND	ND	ND
Iron	mg/kg	48	0.25	ND	ND	ND
Lithium	mg/kg	0.6	0.5	ND	ND	ND
Manganese	mg/kg	0.6	0.05	ND	ND	ND
Zinc	mg/kg	5	0.5	ND	ND	ND
Nickel	mg/kg	*0.02	0.01	ND	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\*\*\*