

# TEST REPORT

**APPLICANT** : Xindao B.V.  
**ADDRESS** : P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands  
**SAMPLE DESCRIPTION** : PLA coffee cup  
**ITEM NO.** : P432. 88  
**COUNTRY OF ORIGIN** : China  
**COUNTRY OF DESTINATION** : Europe  
**SAMPLE RECEIVED DATE** : 14-Jan-2016  
**TURN AROUND TIME** : 14-Jan-2016 to 25-Jan-2016

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

TEST REQUESTED	RESULT
Overall Migration for Plastic	Pass
Specific Migration of Heavy Metal	Pass
Overall Migration for Silicone	Pass

**Eurofins (Shanghai) contact information**

**Customer service:** [EmilyDeng@eurofins.com](mailto:EmilyDeng@eurofins.com) / 021-61819259

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

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

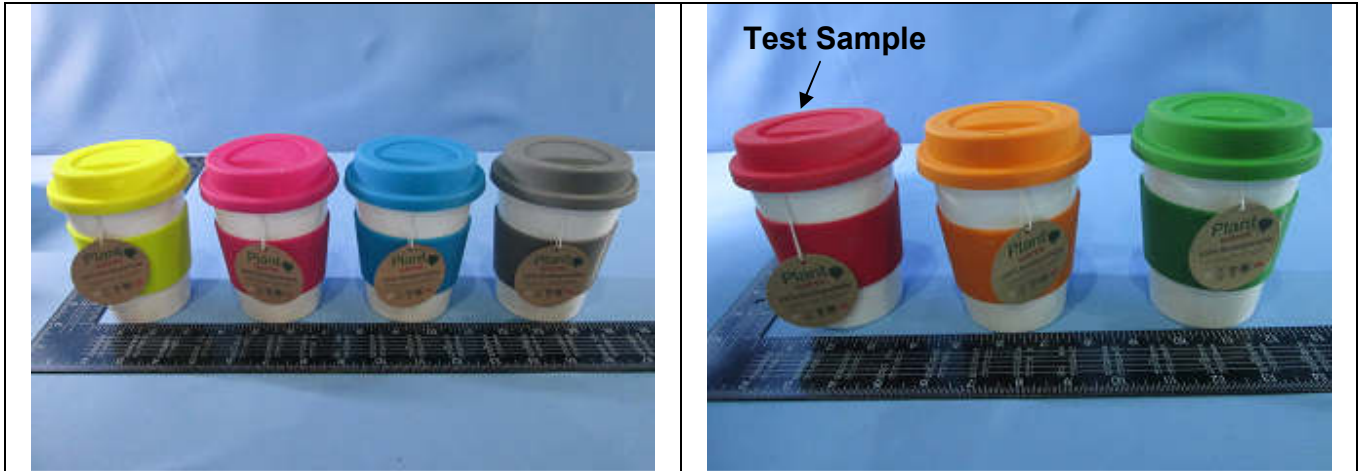
Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd



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Terric Ji  
Lab Manager

*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 [sh.info@eurofins.com](mailto:sh.info@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.*

**SAMPLE PHOTO(S)**



**EFSH16010768-CG-01**

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

**COMPONENT LIST**

<b>Component No.</b>	<b>Component</b>
1	White PLA body
2	Red silicone lid

\*\*\*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 EN1186-1:2002 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 (mg/dm <sup>2</sup> )	Result (mg/dm <sup>2</sup> )
				1
3% Acetic Acid (W/V) Aqueous Solution	4hrs	100°C	10	3.8
50% Ethanol (V/V) Aqueous Solution	4hrs	100°C	10	9.7 <sup>#</sup>

**Note:**

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) Analytical tolerance of aqueous simulants is 1 mg/dm<sup>2</sup>
- (3) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup>
- (4) Test condition & simulant were specified by client.
- (5) <sup>#</sup> Article used for repeated use, tests carried out three times using fresh simulant on each occasion, and the compliance is checked on the basis of the level of the migration found in the third test.

### 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: 100°C 4hours

Test Item(s)	Max. Permissible limit	Unit	MDL	Test Result
				1
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.05	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.05	ND
Zinc	25	mg/kg	0.5	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.

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

## TEST RESULT

### Overall Migration

Test Requested : In accordance with Council of Europe Resolution AP (2004) 5.

Test Method : With reference to EN 1186-1:2002 for selection of conditions and test methods;  
or EN 1186-3:2002 aqueous food simulants by total immersion method;  
or EN 1186-9:2002 aqueous food simulants by article filling method;  
or EN 1186-2:2002 olive oil by total immersion method;  
or EN 1186-8:2002 olive oil by article filling method;  
or EN 1186-14:2002 substitute test.

Simulant used	Time	Temperature	Max. Permissible Limit (mg/dm <sup>2</sup> )	Result (mg/dm <sup>2</sup> )
				2
3% Acetic Acid (W/V) Aqueous Solution	4hrs	100°C	10	<3.0
50% Ethanol (V/V) Aqueous Solution	4hrs	100°C	10	<3.0

**Note:**

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) Analytical tolerance of aqueous simulants is 1 mg/dm<sup>2</sup>
- (3) Analytical tolerance of fatty food simulants is 3 mg/dm<sup>2</sup>
- (4) Test condition & simulant were specified by client.

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