

**Test Report**

Number: SHAH00408587

Applicant: XINDAO(SHANGHAI) CO.,LTD  
15 FLOOR, LZY BUILDING NO. 4711, JIAOTONG ROAD,  
PUTUO AREA  
Attn: Kevin

Date: SEP 17, 2013

**Sample Description:**

Five(5)pieces of submitted sample said to be :

- (1) Wave Grip flask with handle.
- (2) Wave flask.
- (3) Wave Med flask.
- (4) Contour flask.
- (5) Bopp hot flask.

Item Name : P433.52\* Wave Grip flask with handle.  
P433.51\* Wave flask.  
P433.53\* Wave Med flask.  
P433.71\* Contour flask.  
P433.22\* Bopp hot flask.

**Tests Conducted:**

As requested by the applicant, for details refer to attached page(s).

**Conclusion:**

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested component of submitted sample	GB 9684-2011 hygienic standard for stainless steel food containers and table wares	Pass
	GB 9688-1988 hygienic standard for polypropylene products used as food containers and table wares	Pass
	GB 17326-1998 hygienic standard for acrylonitrile-butadiene-styrene products used as food containers and packaging materials	Pass
	GB 4806.1-1994 hygienic standard for foodstuff rubber products	Pass

To be continued

Authorized By:  
For Intertek Testing Services Ltd., Shanghai



Jacob Lin  
General Manager



## Test Report

Number: SHAH00408587

### Tests Conducted

#### 1 Hygienic Test On Stainless Steel

As per GB 9684-2011 “hygienic standard for stainless steel food containers and table wares” and GB/T 5009.81-2003 “method for analysis of hygienic standard of stainless steel food containers and table wares”

##### 1. Sensory index:

Appearance of sample (smooth, flat)

##### 2. Physicochemical index

<u>Tested component(1) specimen</u>	<u>Sample area (dm<sup>2</sup>)</u>	<u>Volume of leaching Solution (mL)</u>	<u>Result(mg/dm<sup>2</sup>)</u>				
(1)	5.0	640	Pb	Cd	As	Cr	Ni
(2)	5.0	640	<0.01	<0.005	<0.008	<0.02	<0.02
(3)	5.0	640	<0.01	<0.005	<0.008	<0.02	<0.02
Limit:			0.01	0.005	0.008	0.4	0.1

Detection Limit: 0.01 mg/dm<sup>2</sup> (Pb)  
0.005 mg/dm<sup>2</sup> (Cd)  
0.008 mg/dm<sup>2</sup> (As)  
0.02 mg/dm<sup>2</sup> (Cr)  
0.02 mg/dm<sup>2</sup> (Ni)

Tested Component: (1)Stainless Steel Body (Red Bottle)

#### 2 Hygienic Test On Polypropylene

As per GB 9688-1988 “hygienic standard for polypropylene products used as food containers and table wares” and GB/T 5009.60-2003 “method for analysis of hygienic standard of products of polyethylene, polystyrene and polypropylene for food packaging”

	<u>Result (2)</u>	<u>Limit</u>
(I) <b>Sensory index</b> Appearance of sample (no impurity and stain, odourless)	Negative	Negative
(II) <b>Physicochemical index</b>		
(A) <b>Evaporation residue (mg/L)</b> 4% acetic acid(60°C, 2h) N-hexane (20°C, 2h)	11 14	30 30
(B) <b>Consumption of KMnO<sub>4</sub> (mg/L)</b> Distilled water (60°C, 2h)	<1.0	10
(C) <b>Heavy metal (Pb) (mg/L)</b> 4% acetic acid (60°C, 2h)	<1.0	1.0
(D) <b>Discolored test</b> 65% ethanol Refined oil Leaching solution	Negative Negative Negative	Negative Negative Negative

Detection Limit: 1.0 mg/L (evaporation residue)  
1.0 mg/L (consumption of KMnO<sub>4</sub>)  
1.0 mg/L (Pb)

\*\*\*\*\*

To be continued

**Tests Conducted**

Tested Component: (2)Black Plastic(Bottle Plug)

**3 Hygienic Test On Rubber-modified Acrylonitrile-Butadiene-Styrene Products**

As per GB 17326-1998 “hygienic standard for rubber-modified acrylonitrile-butadiene-styrene products used as food containers and packaging materials”, GB/T 5009.60-2003 “method for analysis of hygienic standard of products of polyethylene, polystyrene and polypropylene for food packaging” and GB/T 5009.152-2003“determination of residual acrylonitrile monomer in styrene-acrylonitrile copolymers and rubber –modified acrylonitrile-butadiene-styrene resins and their products used for food packing”.

		<u>Result</u> (3)	<u>Limit</u>
(I)	<b>Sensory Index</b>		
	Appearance of sample (no impurity and stain, odourless)	Negative	Negative
(II)	<b>Physicochemical Index</b>		
(A)	<b>Evaporation Residue (mg/L)</b>		
	Distilled water (60℃,6h)	2.0	15
	4% acetic acid (60℃,6h)	8.0	15
	20% ethanol (60℃,6h)	6.0	15
	N-hexane(room temperature, 6h)	11	15
(B)	<b>Consumption of KMnO<sub>4</sub> (mg/L)</b>		
	Distilled water (60℃, 6h)	<1.0	10
(C)	<b>Heavy Metal ( as Pb) (mg/L)</b>		
	4% acetic acid (60℃,6h)	<1.0	1.0
(D)	<b>Acrylonitrile Monomer (mg/kg)</b>	<2.0	11
Detection limit: 1.0 mg/L (evaporation residue)			
1.0 mg/L (consumption of KMnO <sub>4</sub> )			
1.0 mg/L (heavy metal)			
2.0 mg/kg (acrylonitrile monomer)			

Tested Component: (3)Grey Plastic(Bottle Plug)

To be continued

## Test Report

Number: SHAH00408587

Tests Conducted  
4 Hygienic Test On Rubber Products

As per GB 4806.1-1994 "hygienic standard for foodstuff rubber products" and GB/T 5009.64-2003, GB/T 5009.79-2003.

	Result		Limit Others
(I) <b>Sensory index</b>			
Appearance of sample (colourless and odourless)	Negative		Negative
Leaching solution (colourless and odourless)	Negative		Negative
(II) <b>Physicochemical index</b>			
(A) <b>Evaporation residue (mg/L)</b>	(1)	(2)	
Distilled water	2.0	1.0	30
4% acetic acid	36	40	2000
65% ethanol	11	9.0	40
N-hexane	648	586	2000
(B) <b>Consumption of <math>\text{KMnO}_4</math> (mg/L)</b>			
Distilled water	<1.0	<1.0	40
(C) <b>Zinc (mg/L)</b>			
4% acetic acid	<2.5	<2.5	20
(D) <b>Heavy metal (pb) (mg/L)</b>			
4% acetic acid	<1.0	<1.0	1.0

Detection Limit: 1.0 mg/L (evaporation residue)  
1.0 mg/L (consumption of  $\text{KMnO}_4$ )  
2.5 mg/L (Zn)  
1.0 mg/L (Pb)

Tested Components:  
(4)white soft Plastic (loop)  
(5)Black soft Plastic (loop)



Picture of sample

Date Sample Received: Sep.11, 2013

Testing Period: Sep.11, 2013 To Sep.16, 2013

\*\*\*\*\*

End of report

*This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.*