

**Test Report**

No. SH12203332/CHEM

Date: Apr. 28, 2012

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ZHEJIANG NAVIGATE INDUSTRY & TRADING CO., LTD  
SOUTHEAST INDUSTRIAL AREA, WUYI CITY, ZHEJIANG, CHINA

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Name : 400ML, 500ML, 600ML, 750ML ALUMINIUM BOTTLE WITH A,B,C,D,F CAP  
 SGS Ref No. : SHD002927940  
 Item No. : 20OZ TREK BOTTLE, 25OZ TREK BOTTLE  
 SKU No. : 4569801/02/03/36/99/09, 4579301/02/03/36/99/09  
 Country of Destination : USA

Sample Receiving Date : Apr.21, 2012  
 Testing Period : Apr.21–26, 2012

Test Requested /Test Method /Test Results: Please refer to next pages

Result Summary :

<u>Item</u>	<u>Test Parameter</u>	<u>Conclusion</u>
1	CPSIA section 101(f) - Lead in paint/similar surface coating material	<b>PASS</b>
2	As specified for client, for compliance with the Food and Drug Administration Regulations for polypropylene used in contact with food- FDA 21 CFR 177.1520	<b>PASS</b>
3	As specified for client, for compliance with the Food and Drug Administration Regulations for determining the amount of chloroform-soluble extractives from Closures with sealing gaskets for food containers- FDA 21 CFR 177.1210	<b>PASS</b>
4	As specified for client, for compliance with Food and Drug Administration Regulations for determining the amount of extractives from resinous or polymeric coating- FDA 21 CFR 177.300	<b>PASS</b>

Signed for and on behalf of  
 SGS-CSTC Chemical Laboratory



Sandy Hao  
 Lab Manager

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Test Requested : (1)As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):-  
Lead in paint / similar surface coating material  
(2) As specified for client, for compliance with the Food and Drug Administration Regulations for polypropylene used in contact with food.  
(3)As specified for client, for compliance with the Food and Drug Administration Regulations for determining the amount of chloroform-soluble extractives from Closures with sealing gaskets for food containers.  
(4) As specified for client, for compliance with Food and Drug Administration Regulations for determining the amount of extractives from resinous or polymeric coating.

Test Results:

**1) Lead in paint/similar surface coating material (Unit:%)**

Method: CPSC Test Method: CPSC-CH-E1003-09' Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test item	4	5	6	Permissible Limit
Lead (Pb)	ND	ND	ND	0.009
Comment	PASS	PASS	PASS	---

Test item	7	8	Permissible Limit
Lead (Pb)	ND	ND	0.009
Comment	PASS	PASS	---

Note:

1. % = percentage by weight
2. 1% = 10000ppm (mg/kg)
3. ND = not detected
4. Method Detection Limit = 0.002 %

**(2) FDA 21 CFR 177.1520**

Method: As specified in FDA 21 CFR 177.1520

	1.Black plastic lid	Limit
1. Density at 23°C , g / cm <sup>3</sup>	0.906	0.880 – 0.913
2. Melting Point , °C	162*	160 – 180
3. Extractable fraction in n-hexane at reflux temperature , w/w %	0.9	6.4 max.
4. Soluble fraction in xylene at 25°C , w/w %	1.6	9.8 max.

Remark: \* These tests were subcontracted to SGS-SH MATERIAL LAB.

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(3)FDA 21 CFR 177.1210

Method: As specified in FDA 21 CFR 177.1210

<u>Extractants and Conditions</u>	<u>2.White silicone rubber ring Chloroform-Soluble Extractives (ppm)</u>	<u>Maximum permissible Limit (ppm)</u>
1. Distilled Water fill boiling, cool to 100 °F	<1	50
2. n-Heptane at 120°F for 15 minutes	1.7	50

(4)FDA 21 CFR 175.300

Method: As specified in FDA 21 CFR 175.300

<u>Extractants and Conditions</u>	<u>3.Metal bottle with transparent coating inner amount of Extractives (mg/inch<sup>2</sup>)</u>	<u>Maximum permissible Limit (mg/inch<sup>2</sup>)</u>
1. Distilled Water fill boiling, cool to 100 °F	<1	18
3. n-Heptane at 120°F for 15 minutes	<1	18

Test Part Description:

1. Black plastic lid
2. White silicone rubber ring
3. Metal bottle with transparent coating inner
4. Red coating
5. Blue coating
6. Silvery coating
7. Grey black coating
8. White coating

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Sample photo:

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\*\*\* End of Report \*\*\*

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