

The following sample(s) was/were submitted and identified on behalf of the clients as : FOLDABLE WATER BOTTLE

SGS Job No. : SHHG1105009827CW - SH

Manufacturer :

Supplier :

Country of Origin : CHINA

Country of Destination : EUROPE

Date of Sample Received : 05 May 2011

Testing Period : 05 May 2011 - 13 May 2011

Test Requested : Selected test(s) as requested by client.

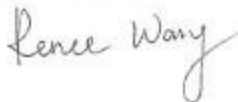
Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

Conclusion : When tested as specified, the submitted sample comply with the permissible safety limit as specified in LFGB, Section 30 and 31 on Materials and Articles intended to come into contact with aqueous foodstuff(pH>4.5).

When tested as specified, the submitted sample comply with the Cadmium Requirement of Entry 23 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 91/338/EEC).

Signed for and on behalf of
SGS-CSTC Ltd.



Wang Lini, Renee
Approved Signatory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings, at the time of its issuance, on only those within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated, all results shown in this test report refer only to the sample(s) tested.

Test Report

No. SHAHG1106394901

Date: 13 May 2011

Page 2 of 8

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA11-063949.001	Foldable water bottle(red)
2	SHA11-063949.002	White plastic lid
3	SHA11-063949.003	Transparent plastic film with red film

Overall migration test

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Commission Regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

For material: PE -Overall migration test

Test Method : For sample 002:

With reference to 82/711/EEC with its amendments and 2002/72/EC with its amendments for selection of condition and EN1186-1:2002 for selection of test method;
EN1186-3:2002 aqueous food simulants by total immersion method;

For sample 003:

With reference to 82/711/EEC with its amendments and 2002/72/EC with its amendments for selection of condition and EN1186-1:2002 for selection of test method;
EN1186-9:2002 aqueous food simulants by article filling method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Overall Migration</u>
Deionized Water	24.0hr	40°C	60mg/kg	<20mg/kg

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003 Overall Migration</u>
Deionized Water	24.0hr	40°C	10mg/dm ²	<3.0mg/dm ²

Notes :

- (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) Test condition & simulant were specified by client.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings, at the time of its provision, and is provided within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.

Peroxide value

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Commission Regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

For material: PE -Peroxide value

Test Method : With reference to European pharmacopoeia, 2005 Appendix X F. Peroxide Value method A

<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>	<u>003</u>
Peroxide Value	Absent	Absent	Absent

Sensorial examination odour and taste test

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Commission Regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

Sensorial examination odour and taste test

Test Method : Robinson's test with reference to DIN 10955:1983 (2004).

Odour test condition: 23°C 24 hours;

Taste test condition: 40°C 24 hours;

Test media: Distilled water;

No. of panelist: 5

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Sensorial examination odour (Point scale)	2.5	0
Sensorial examination taste (Point scale)	2.5	0

Notes :

Scale evaluation:

0: No perceptible odour

1: Odour just perceptible (still difficult to define)

2: Moderate odour

3: Moderately strong odour

4: Strong odour

Specific migration test of aromatic amine

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and arbitration and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its preparation and is given within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. All test results shown in this test report refer only to the sample(s) tested.

Test Report

No. SHAHG1106394901

Date: 13 May 2011

Page 4 of 8

Test Requested : As per client's requirement, with reference to German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Commission Regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.
 To determine Specific migration of aromatic amine content

Test Method : Sample preparation with reference to EN 13130-1: 2004 with selection of simulant and condition, followed by analysis by UV-vis Spectrophotometer.

Sample 002

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

Test Condition : 40.0 °C 24.0 hr

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test Result</u>
Specific migration of aromatic amine	ND	mg/kg	0.01	ND

Sample 003

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

Test Condition : 40.0 °C 24.0 hr

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test Result</u>
Specific migration of aromatic amine	ND	mg/kg	0.01	ND

Notes :

Test condition & simulant were specified by client.

Specific Migration of Heavy Metal

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Commission Regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

For material: PE - Specific Migration of Heavy Metal

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of stimulant and conditions, EN13130-1:2004 for selection of test method, Samples were prepared at specific condition, followed by analysis using ICP-OES.

Sample 002

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and arbitration clauses therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its preparation and is not to be relied upon without the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Test Report

No. SHAHG1106394901

Date: 13 May 2011

Page 5 of 8

Test Condition : 40 °C 24.0 hr

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test Result</u>
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	0.25	ND
Zinc	25	mg/kg	0.5	ND

Sample 003

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

Test Condition : 40 °C 24.0 hr

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test Result</u>
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	0.25	ND
Zinc	25	mg/kg	0.5	ND

Notes :

- (1) MDL = Method Detection Limit
- (2) ND = Not Detected (< MDL)
- (3) Test condition & simulant were specified by client.

Chromium, Vanadium and Zirconium content

Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31, Commission Regulation (EU) No 10/2011 of 14 January 2011 and BfR recommendation.

For material: PE -Catalyst residue, Chromium, Vanadium and Zirconium content

Test Method : Acid digestion, analysis was performed by ICP-OES.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its production and is subject to change within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

All data and results stated in the results shown in this test report refer only to the sample(s) tested.

Test Report

No. SHAHG1106394901

Date: 13 May 2011

Page 6 of 8

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>	<u>003</u>
Total Chromium	10	mg/kg	5	ND	ND
Total Vanadium	20	mg/kg	20	ND	ND
Total Zirconium	100	mg/kg	20	ND	ND

Entry 23 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 91/338/EEC)

Test Method : With reference to EN 1122: 2001, Method B, analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>	<u>003</u>
Cadmium (Cd)	100	mg/kg	5	ND	ND

Notes :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) ND = Not detected
- (3) MDL = Method Detection Limit

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated, results shown in this test report refer only to the sample(s) tested.

Sample photo:



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its provision or issuance, within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

All data and results related to the results shown in this test report refer only to the sample(s) tested.



SGS authenticate the photo on original report only

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, jurisdiction and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings, at the time of its performance of the work, within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Mass of samples stated in the results shown in this test report refer only to the sample(s) tested.