

# Test Report

No. CANHG1420927601

Date: 22 Dec 2014

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EHM GROUP LTD

NO. 18, GAOQIAO ROAD MIDDLE, XIALIANG, TAIHE TOWN, BAIYUN DISTRICT, GUANGZHOU CITY, GUANGDONG PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : Alkaline Water Pitcher

SGS Job No. : GZHG1412048994CW - GZ  
 Tested Sample Info. : Style / Item No.: EHM-WP5  
 Client Ref. Info. : EHM-WP3 EHM-WP4  
 Date of Sample Received : 16 Dec 2014  
 Testing Period : 16 Dec 2014 - 22 Dec 2014  
 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).

### Result Summary :

Test Requested	Conclusion
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration in specified foodstuffs	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments–Specific Migration of Heavy Metal	PASS

Signed for and on behalf of  
 SGS-CSTC Ltd.



Ivy Ren  
 Approved Signatory

Remark: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, and this document cannot be used for publicity without approval of the Company.



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN14-209276.001	Blue plastic lid	ABS
SN2	CAN14-209276.002	Transparent plastic pitcher	AS
SN3	CAN14-209276.003	White plastic	PP

**Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration in specified foodstuffs**

Test Requested : As specified by client, to determine Overall migration from plastic used in contact with food for compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of 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;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Overall Migration</u>	<u>Comment</u>
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002 Overall Migration</u>	<u>Comment</u>
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003 Overall Migration</u>	<u>Comment</u>
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	10mg/dm <sup>2</sup>	<3.0mg/dm <sup>2</sup>	PASS

Notes :

1. mg/dm<sup>2</sup> = milligram per square decimeter
2. °C = degree Celsius
3. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments
4. The test data is obtained by considering the articles intended for repeated use as per described in



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Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.  
5.Result(s) of 001 was/were calculated based on the total contact surface of the sealing article and sealed container provided by client.

### Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Heavy Metal

**Test Requested :** As specified by client, to determine Specific Migration of Heavy Metal from plastic used in contact with food for compliance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

**Test Method :** With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by ICP-OES.

#### Sample 001

**Simulant Used :** 10% Ethanol Aqueous Solution

**Test Condition :** 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Extractable Barium	1	mg/kg	0.25	ND
Extractable Cobalt	0.05	mg/kg	0.01	ND
Extractable Copper	5	mg/kg	0.25	ND
Extractable Iron	48	mg/kg	0.25	ND
Extractable Lithium	0.6	mg/kg	0.5	ND
Extractable Manganese	0.6	mg/kg	0.25	ND
Extractable Zinc	25	mg/kg	0.5	ND
<b>Comment</b>				<b>PASS</b>

#### Sample 002

**Simulant Used :** 10% Ethanol Aqueous Solution

**Test Condition :** 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Extractable Barium	1	mg/kg	0.25	ND
Extractable Cobalt	0.05	mg/kg	0.01	ND
Extractable Copper	5	mg/kg	0.25	ND
Extractable Iron	48	mg/kg	0.25	ND



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Extractable Lithium	0.6	mg/kg	0.5	ND
Extractable Manganese	0.6	mg/kg	0.25	ND
Extractable Zinc	25	mg/kg	0.5	ND
<b>Comment</b>				<b>PASS</b>

### Sample 003

Simulant Used : 10% Ethanol Aqueous Solution

Test Condition : 70 °C 2.0 hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Extractable Barium	1	mg/kg	0.25	ND
Extractable Cobalt	0.05	mg/kg	0.01	ND
Extractable Copper	5	mg/kg	0.25	ND
Extractable Iron	48	mg/kg	0.25	ND
Extractable Lithium	0.6	mg/kg	0.5	ND
Extractable Manganese	0.6	mg/kg	0.25	ND
Extractable Zinc	25	mg/kg	0.5	ND
<b>Comment</b>				<b>PASS</b>

### Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND= Not Detected(less than MDL)
5. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.
6. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.



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Sample photo:





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