

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

SGS Job No. : SHHL1605025931CW - SH
 Country of Origin : CHINA
 Country of Destination : EUROPE
 Date of Sample Received : 13 May 2016
 Testing Period : 13 May 2016 - 19 May 2016
 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
Overall migration	PASS
Specific migration of bisphenol-A(BPA)	PASS
Specific migration of heavy metal	PASS

Signed for and on behalf of
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.


Serena Wang
 Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA16-101111.001	Metal container with transparent coating inside(white)	Al+Coating

Remarks :

- (1) mg/dm² = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected (< MDL)

Overall migration

Test Requested : In accordance with Council of Europe Resolution AP (2004) 1, to determine overall migration.

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;
EN 1186-9: 2002 aqueous food simulants by article filling method

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 001 Overall migration	Conclusion
3% Acetic acid (W/V) aqueous solution	2.0hr(s)	70°C	10mg/dm ²	3.2mg/dm²	PASS

Notes :

- (1) Analytical tolerance of aqueous simulants is 2 mg/dm² or 12 mg/kg
- (2) Test condition & simulant were specified by client.
- (3) 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.

Specific migration of bisphenol-A(BPA)

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments to determine specific migration of bisphenol A.

Test Method : With reference to EN 13130-1: 2004, analysis was performed by HPLC-FLD.



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Sample 001

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70 °C 2.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times				Third
Area/volume	-	dm ² /kg	-	6.0
Specific migration of bisphenol A	0.6	mg/kg	0.2	ND
Conclusion				PASS

Notes :

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

Specific migration of heavy metal

Test Requested : In accordance with Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments, to determine specific migration of heavy metal.

Test Method : With reference to EN13130-1:2004; analysis was performed by ICP-OES.

Sample 001

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70 °C 2.0 hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times				Third
Area/volume	-	dm ² /kg	-	6.0
Barium (Ba)	1	mg/kg	0.25	ND
Cobalt (Co)	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron(Fe)	48	mg/kg	0.25	ND
Lithium (Li)	0.6	mg/kg	0.5	ND
Manganese(Mn)	0.6	mg/kg	0.25	ND
Zinc(Zn)	25	mg/kg	0.5	ND
Conclusion				PASS

Notes :



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

Sample photo:



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*** End of Report ***

