

Test Report No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 1 of 17

TECHNOTAPE INTERNATIONAL

TOLWEG 7, 3741 LM BAARN, THE NETHERLANDS

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAHG1822026701, DATE:2018/10/17.

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

SGS Job No. : NBHL1809016218CW - NB

Buyer: TECHNOTAPE INTERNATIONAL

Country of Origin: CHINA

Country of Destination : EU & US

Client Ref. Information: SDB.092.177.002 STAINLESS STEEL THERMO TRAVEL MUG 450 ML / 15OZ -

SILVER LATTE

SDB.092.177.001 STAINLESS STEEL THERMO TRAVEL MUG 450 ML / 150Z -

WHITE LATTE

SDB.085.132.001 STAINLESS STEEL THERMO TRAVEL MUG 400 ML / 14OZ -

WHITE

SDB.079.122.004 STAINLESS STEEL THERMO CAN COOLER 355 ML / 12OZ -

SILVER STRAIGHT

SDB.079.122.003 STAINLESS STEEL THERMO CAN COOLER 355 ML / 12OZ -

WHITE STRAIGHT

SDB.079.122.002 STAINLESS STEEL THERMO CAN COOLER 330 ML / 110Z -

SILVER STRAIG

SDB.079.122.001 STAINLESS STEEL THERMO CAN COOLER 330 ML / 110Z

- WHITE STRAIGHT

SDB.073.220.002 ALUMINUM DRINK BOTTLE 500 ML / 17 OZ - SILVER WITH

HANDLE

SDB.073.220.001 ALUMINUM DRINK BOTTLE 500 ML / 17 OZ - WHITE WITH

HANDLE

SDB.072.210.002 ALUMINIUM WATER BOTTLE 600 ML / 200Z - SILVER WITH

TWO TOPS

SDB.072.210.001 ALUMINIUM WATER BOTTLE 600 ML / 200Z - WHITE WITH

TWO TOPS

SDB.072.200.002 STAINLESS STEEL THERMO TRAVEL MUG 450 ML / 15OZ -

SILVER STRAIGHT



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions/Terms

3¹⁶Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国 • 上海 • 徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21) 64953679 t HL (86-21) 61402594 f HL (86-21) 61156899



Test Report No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 2 of 17

SDB.072.200.001 STAINLESS STEEL THERMO TRAVEL MUG 450 ML / 150Z - WHITE STRAIGHT

SDB.072.160.002 ALUMINIUM WATER BOTTLE 500 ML / 17OZ - WHITE WITH TWO TOPS

SDB.072.160.001 ALUMINIUM WATER BOTTLE 500 ML / 17OZ - SILVER WITH TWO TOPS

SDB.070.260.002 STAINLESS STEEL DRINK BOTTLE 500 ML / 17OZ - WHITE SDB.070.260.001 STAINLESS STEEL DRINK BOTTLE 500 ML / 17OZ - SILVER SDB.069.240.001 STAINLESS STEEL THERMO BOTTLE 500 ML / 17OZ - WHITE STRAIGHT

SDB.067.178.012 STAINLESS STEEL THERMO DRINK BOTTLE 320 ML / 110Z - SILVER STRAIGHT, BLUE LID

SDB.067.178.011 STAINLESS STEEL THERMO DRINK BOTTLE 320 ML / 110Z - SILVER STRAIGHT, GREEN LID

SDB.067.178.010 STAINLESS STEEL THERMO DRINK BOTTLE 320

SDB.067.178.003 STAINLESS STEEL THERMO DRINK BOTTLE 320 ML / 110Z - WHITE STRAIGHT, BLUE LID

SDB.067.178.002 STAINLESS STEEL THERMO DRINK BOTTLE 320 ML / 110Z - WHITE STRAIGHT, GREEN LID

SDB.067.178.001 STAINLESS STEEL THERMO DRINK BOTTLE 320 M

SDB.065.243.002 STAINLESS STEEL THERMO DRINK BOTTLE 500 ML / 17OZ $\,$

- SILVER STRAIGHT

SDB.065.243.001 STAINLESS STEEL THERMO DRINK BOTTLE 500 ML / 17OZ -

WHITE STRAIGHT

SDB.065.215.002 STAINLESS STEEL THERMO DRINK BOTTLE 500 ML / 17OZ -

SILVER ST

SDB.065.215.001 STAINLESS STEEL THERMO DRINK BOTTLE 500 ML / 17OZ

- WHITE STRAIGHT

Date of Sample Received: 27 Sep 2018

Testing Period: 27 Sep 2018 - 17 Oct 2018

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).



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions/Terms-e-Documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 (1443, Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 (1443, Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 (1443, 1443, 1443).

3¹⁶Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮編: 200233

t E&E (86-21) 61402553 f E&E (86-21)64953679 t HL (86-21) 61402594 f HL (86-21)61156899



No. SHAHG1822026702 A01

Date: 24 Oct 2018

Page 3 of 17

Result Summary:

Test Requested	Conclusion
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Overall migration	PASS
Council of Europe Resolution AP (2004) 5-Overall migration	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments-Specific migration of bisphenol A(BPA)	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal	PASS
Europe Resolution CM/Res(2013)9-Extractable heavy metals	PASS

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jenny Yao

Approved Signatory





Test Report No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 4 of 17

Test Results:

Test Part Description:

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA18-220267.001	Black plastic lid	PP
SN2	SHA18-220267.002	White plastic lid	PP
SN3	SHA18-220267.003	Gray plastic lid	PP
SN4	SHA18-220267.004	Milky silicone rubber ring	SILICONE RUBBER
SN5	SHA18-220267.005	Brown silicone rubber ring	SILICONE RUBBER
SN6	SHA18-220267.006	Silvery stainless steel bottle (SS201)	SS201
SN7	SHA18-220267.007	Silvery stainless steel bottle (SS304)	SS304
SN8	SHA18-220267.008	Silvery aluminum bottle	ALUMINUM

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)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Overall migration

With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Test Method:

Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;

EN 1186-3: 2002 aqueous food simulants by total immersion method;

Simulant Used	<u>Time</u>	<u>Temperature</u>	Max. Permissible	Result of 001	<u>Conclusion</u>
			<u>Limit</u>	Overall migration	
50% Ethanol (V/V) aqueous solution	2.0hr(s)	70°C	10mg/dm²	<3.0mg/dm²	PASS
Simulant Used	<u>Time</u>	<u>Temperature</u>	Max. Permissible Limit	Result of 002 Overall migration	Conclusion
500/ 54 1 4 4 4 5	0.01 ()	7000			5400
50% Ethanol (V/V) aqueous solution	2.0hr(s)	70°C	10mg/dm²	<3.0mg/dm²	PASS
Simulant Used	<u>Time</u>	<u>Temperature</u>	Max. Permissible	Result of 003	Conclusion
			<u>Limit</u>	Overall migration	



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions/Terms

3rdBuilding, No. 889 Yishan Road Xuhui District Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233



Test Report No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 5 of 17

50% Ethanol (V/V) aqueous 2.0hr(s) 70°C 10mg/dm² <3.0mg/dm² PASS

solution

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.

Council of Europe Resolution AP (2004) 5-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 1186-3: 2002 aqueous food simulants by total immersion method;

Simulant Used	<u>Time</u>	<u>Temperature</u>	Max. Permissible	Result of 004	Conclusion
			<u>Limit</u>	Overall Migration	
50% Ethanol (V/V) aqueous solution	2.0hr(s)	70°C	10mg/dm²	<3.0mg/dm²	PASS
Simulant Used	<u>Time</u>	<u>Temperature</u>	Max. Permissible <u>Limit</u>	Result of 005 Overall Migration	Conclusion
50% Ethanol (V/V) aqueous	2.0hr(s)	70°C	10mg/dm²	<3.0mg/dm²	PASS

Notes:

solution

- (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.

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments-Specific migration of bisphenol A(BPA)

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

Sample 001

Simulant Used: 50% Ethanol (V/V) aqueous solution

Test Condition: 70 °C 2.0 hr(s)

<u>Test Item(s)</u> <u>Max. Permissible</u> <u>Unit</u> <u>MDL</u> <u>Test result</u>

<u>Limit</u>

Migration times - - Third



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions/Terms-e-Documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx.
Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

中国・上海・徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86-21) 61402553 f E&E (86-21)64953679 w t HL (86-21) 61402594 f HL (86-21)61156899 e



Test Report	No. SHAHG1822026702 A01	Date: 24 Oct 2	2018	Page 6 of 17
Area/volume	-	dm²/kg	-	6.0
Specific migration of bisphenol A	0.05	mg/kg	0.01	ND
Conclusion				PASS

Sample 002

Simulant Used: 50% Ethanol (V/V) aqueous solution

Test Condition: 70 °C 2.0 hr(s)

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Migration times	-	-	-	Third
Area/volume	-	dm²/kg	-	6.0
Specific migration of bisphenol A	0.05	mg/kg	0.01	ND
Conclusion				PASS

Sample 003

Simulant Used: 50% Ethanol (V/V) aqueous solution

Test Condition: 70 °C 2.0 hr(s)

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result	
	<u>Limit</u>				
Migration times	-	-	-	Third	
Area/volume	-	dm²/kg	-	7.8	
Specific migration of bisphenol A	0.05	mg/kg	0.01	ND	
Conclusion				PASS	

Notes:

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments -Specific migration of heavy metal

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

Sample 001

Simulant Used: 50% Ethanol (V/V) aqueous solution

Test Condition: 70 °C 2.0 hr(s)

Test Item(s) Max. Permissible Unit MDL Test result

<u>Limit</u>



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions/Terms-e-Documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 (1443, Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 (1443, Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 (1443, 1443, 1443).

or email: CN.Doceheck@sgs.com

3¹⁶Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86–21) 61402553 f E&E (86–21)64953679 www.sgsgroup.com.cn t HL (86–21) 61402594 f HL (86–21)61156899 e sgs.china@sgs.com

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



Test Report	No. SHAHG1822026702 A01	Date: 24 Oct 2	018	Page 7 of 17
Migration times	-	-	-	Third
Area/volume	-	dm²/kg	-	6.0
Aluminium(Al)	1	mg/kg	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	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)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.02	ND
Conclusion				PASS

Sample 002

Simulant Used: 50% Ethanol (V/V) aqueous solution

Test Condition: 70 °C 2.0 hr(s)

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result
	<u>Limit</u>			
Migration times	-	-	-	Third
Area/volume	-	dm²/kg	-	6.0
Aluminium(Al)	1	mg/kg	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	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)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.02	ND
Conclusion				PASS

Sample 003

Simulant Used: 50% Ethanol (V/V) aqueous solution

Test Condition: 70 °C 2.0 hr(s)

Test Item(s)	Max. Permissible	<u>Unit</u>	<u>MDL</u>	Test result	
	<u>Limit</u>				
Migration times	-	-	-	Third	



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

Attention:*To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Attention:*To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Attention:*To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, *Totheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, ***Totheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86

中国・上海・徐汇区宜山路889号3号楼 邮编: 200233

t E&E (86–21) 61402553 f E&E (86–21)64953679 t HL (86–21) 61402594 f HL (86–21)61156899

www.sgsgroup.com.cne sgs.china@sgs.com



Test Report	No. SHAHG1822026702 A01	Date: 24 Oct	2018	Page 8 of 17
Area/volume	-	dm²/kg	-	7.8
Aluminium(Al)	1	mg/kg	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	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)	5	mg/kg	0.5	ND
Nickel(Ni)	0.02	mg/kg	0.02	ND
Conclusion				PASS

Notes:

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

Europe Resolution CM/Res(2013)9-Extractable heavy metals

Test Method: With reference to EN 13130-1:2004, analysis was performed by ICP-OES and ICP-MS.

Sample 006: PASS

Simulant Used: Artificial tap water Test Condition: 70 °C 2.0 hr(s)

Volume : 0.45 L

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	1st + 2nd Migration
Aluminium(AI)	35	mg/kg	0.2	ND
Antimony(Sb)	0.28	mg/kg	0.02	ND
Chromium(Cr)	1.75	mg/kg	0.1	ND
Cobalt(Co)	0.14	mg/kg	0.01	ND
Copper(Cu)	28	mg/kg	0.1	ND
Iron(Fe)	280	mg/kg	0.25	ND
Manganese(Mn)	12.6	mg/kg	0.25	ND
Molybdenum(Mo)	0.84	mg/kg	0.02	ND
Nickel(Ni)	0.98	mg/kg	0.05	ND
Silver(Ag)	0.56	mg/kg	0.03	ND
Tin (Sn)	700	mg/kg	5	ND
Vanadium(V)	0.07	mg/kg	0.005	ND
Zinc(Zn)	35	mg/kg	1	ND
Arsenic(As)	0.014	mg/kg	0.001	ND
Barium(Ba)	8.4	mg/kg	0.25	ND
Beryllium(Be)	0.07	mg/kg	0.005	ND
Cadmium(Cd)	0.035	mg/kg	0.002	ND
Lead(Pb)	0.07	mg/kg	0.005	ND



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, *Certificate of the company is a certificate of the company is a certif

中国・上海・徐汇区宜山路889号3号楼 邮编: 200233

www.sgsgroup.com.cn e sgs.china@sgs.com



Test Report No. SHAHG1822026702 A01 Date: 24 Oct	2018 Page 9 of 17
--	-------------------

	1 : :4	1.1	MDL	1st + 2nd Migration
Test Item(s) Lithium(Li)	<u>Limit</u> 0.336	<u>Unit</u> mg/kg	0.02	ND
Mercury(Hg)	0.021	mg/kg	0.002	ND
Thallium(TI)	0.021	mg/kg	0.002	ND
Magnesium(Mg)	0.0007	mg/kg	5	ND
Titanium(Ti)	-	mg/kg	0.05	ND
,	- 			
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	3rd Migration
Aluminium(Al)	5	mg/kg	0.2	ND
Antimony(Sb)	0.04	mg/kg	0.02	ND
Chromium(Cr)	0.25	mg/kg	0.1	ND
Cobalt(Co)	0.02	mg/kg	0.01	ND
Copper(Cu)	4	mg/kg	0.1	ND
Iron(Fe)	40	mg/kg	0.25	ND
Manganese(Mn)	1.8	mg/kg	0.25	ND
Molybdenum(Mo)	0.12	mg/kg	0.02	ND
Nickel(Ni)	0.14	mg/kg	0.05	ND
Silver(Ag)	0.08	mg/kg	0.03	ND
Tin (Sn)	100	mg/kg	5	ND
Vanadium(V)	0.01	mg/kg	0.005	ND
Zinc(Zn)	5	mg/kg	1	ND
Arsenic(As)	0.002	mg/kg	0.001	ND
Barium(Ba)	1.2	mg/kg	0.25	ND
Beryllium(Be)	0.01	mg/kg	0.005	ND
Cadmium(Cd)	0.005	mg/kg	0.002	ND
Lead(Pb)	0.01	mg/kg	0.005	ND
Lithium(Li)	0.048	mg/kg	0.02	ND
Mercury(Hg)	0.003	mg/kg	0.002	ND
Thallium(TI)	0.0001	mg/kg	0.0001	ND
Magnesium(Mg)	-	mg/kg	5	ND
Titanium(Ti)	_	mg/kg	0.05	ND

Sample 007: **PASS**

Simulant Used: Artificial tap water Test Condition: 70 °C 2.0 hr(s)

Volume : 0.45 L

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	1st + 2nd Migration
Aluminium(Al)	35	mg/kg	0.2	ND
Antimony(Sb)	0.28	mg/kg	0.02	ND
Chromium(Cr)	1.75	mg/kg	0.1	ND
Cobalt(Co)	0.14	mg/kg	0.01	ND
Copper(Cu)	28	mg/kg	0.1	ND
Iron(Fe)	280	mg/kg	0.25	ND



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CR.Doccheck@ags.com

t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn

3rdBuilding, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233

t HL (86-21) 61402594 f HL (86-21) 61156899



Test Report	No. SHAH	G182202	1 Date: 24 Oct 2018	
Test Item(s)	<u>Limit</u>	Unit	MDL	1st + 2nd Migration
Manganese(Mn)	12.6	mg/kg	0.25	ND
Molybdenum(Mo)	0.84	mg/kg	0.02	ND
Nickel(Ni)	0.98	mg/kg	0.05	ND
Silver(Ag)	0.56	mg/kg	0.03	ND
Tin (Sn)	700	mg/kg	5	ND
Vanadium(V)	0.07	mg/kg	0.005	ND
Zinc(Zn)	35	mg/kg	1	ND
Arsenic(As)	0.014	mg/kg	0.001	ND
Barium(Ba)	8.4	mg/kg	0.25	ND
Beryllium(Be)	0.07	mg/kg	0.005	ND
Cadmium(Cd)	0.035	mg/kg	0.002	ND
Lead(Pb)	0.07	mg/kg	0.005	ND
Lithium(Li)	0.336	mg/kg	0.02	ND
Mercury(Hg)	0.021	mg/kg	0.002	ND
Thallium(Tl)	0.0007	mg/kg	0.0001	ND
Magnesium(Mg)	-	mg/kg	5	ND
Titanium(Ti)	-	mg/kg	0.05	ND
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	3rd Migration
Aluminium(Al)	5	mg/kg	0.2	ND
Antimony(Sb)	0.04	mg/kg	0.02	ND
Chromium(Cr)	0.25	mg/kg	0.1	ND
Cobalt(Co)	0.02	mg/kg	0.01	ND
Copper(Cu)	4	mg/kg	0.1	ND
Iron(Fe)	40	mg/kg	0.25	ND
Manganese(Mn)	1.8	mg/kg	0.25	ND
Molybdenum(Mo)	0.12	mg/kg	0.02	ND
Nickel(Ni)	0.14	mg/kg	0.05	ND
Silver(Ag)	0.08	mg/kg	0.03	ND
Tin (Sn)	100	mg/kg	5	ND
Vanadium(V)	0.01	mg/kg	0.005	ND
Zinc(Zn)	5	mg/kg	1	ND
Arsenic(As)	0.002	mg/kg	0.001	ND
Barium(Ba)	1.2	mg/kg	0.25	ND
Beryllium(Be)	0.01	mg/kg	0.005	ND
Cadmium(Cd)	0.005	mg/kg	0.002	ND
Lead(Pb)	0.01	mg/kg	0.005	ND
Lithium(Li)	0.048	mg/kg	0.02	ND
Mercury(Hg)	0.003	mg/kg	0.002	ND
Thallium(Tl)	0.0001	mg/kg	0.0001	ND



Magnesium(Mg) Titanium(Ti)

Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CR.Doccheck@ags.com

5

0.05

mg/kg

mg/kg

3rdBuilding,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899

ND

ND

Page 10 of 17



No. SHAHG1822026702 A01

Date: 24 Oct 2018

Page 11 of 17

Sample 008: **PASS**

Simulant Used: Artificial tap water Test Condition : 70 °C 2.0 hr(s)

: 0.50 L Volume

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	1st + 2nd Migration
Aluminium(Al)	35	mg/kg	0.2	1.2
Antimony(Sb)	0.28	mg/kg	0.02	ND
Chromium(Cr)	1.75	mg/kg	0.1	ND
Cobalt(Co)	0.14	mg/kg	0.01	ND
Copper(Cu)	28	mg/kg	0.1	ND
Iron(Fe)	280	mg/kg	0.25	ND
Manganese(Mn)	12.6	mg/kg	0.25	ND
Molybdenum(Mo)	0.84	mg/kg	0.02	ND
Nickel(Ni)	0.98	mg/kg	0.05	ND
Silver(Ag)	0.56	mg/kg	0.03	ND
Tin (Sn)	700	mg/kg	5	ND
Vanadium(V)	0.07	mg/kg	0.005	ND
Zinc(Zn)	35	mg/kg	1	ND
Arsenic(As)	0.014	mg/kg	0.001	ND
Barium(Ba)	8.4	mg/kg	0.25	ND
Beryllium(Be)	0.07	mg/kg	0.005	ND
Cadmium(Cd)	0.035	mg/kg	0.002	ND
Lead(Pb)	0.07	mg/kg	0.005	ND
Lithium(Li)	0.336	mg/kg	0.02	ND
Mercury(Hg)	0.021	mg/kg	0.002	ND
Thallium(Tl)	0.0007	mg/kg	0.0001	ND
Magnesium(Mg)	-	mg/kg	5	ND
Titanium(Ti)	-	mg/kg	0.05	ND
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	3rd Migration
Aluminium(Al)	5	mg/kg	0.2	1.0
Antimony(Sb)	0.04	mg/kg	0.02	ND
Chromium(Cr)	0.25	mg/kg	0.1	ND
Cobalt(Co)	0.02	mg/kg	0.01	ND
Copper(Cu)	4	mg/kg	0.1	ND
Iron(Fe)	40	mg/kg	0.25	ND
Manganese(Mn)	1.8	mg/kg	0.25	ND
Molybdenum(Mo)	0.12	mg/kg	0.02	ND
Nickel(Ni)	0.14	mg/kg	0.05	ND
Silver(Ag)	0.08	mg/kg	0.03	ND
Tin (Sn)	100	mg/kg	5	ND
Vanadium(V)	0.01	mg/kg	0.005	ND



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@css.com"

3rdBuilding, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899



Test Report	No. SHAHG1822026702 A01	Date: 24 Oct 2018	Page 12 of 17
-------------	-------------------------	-------------------	---------------

<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	3rd Migration
5	mg/kg	1	ND
0.002	mg/kg	0.001	ND
1.2	mg/kg	0.25	ND
0.01	mg/kg	0.005	ND
0.005	mg/kg	0.002	ND
0.01	mg/kg	0.005	ND
0.048	mg/kg	0.02	ND
0.003	mg/kg	0.002	ND
0.0001	mg/kg	0.0001	ND
-	mg/kg	5	ND
-	mg/kg	0.05	ND
	5 0.002 1.2 0.01 0.005 0.01 0.048 0.003	5 mg/kg 0.002 mg/kg 1.2 mg/kg 0.01 mg/kg 0.005 mg/kg 0.01 mg/kg 0.048 mg/kg 0.003 mg/kg 0.0001 mg/kg - mg/kg	5 mg/kg 1 0.002 mg/kg 0.001 1.2 mg/kg 0.25 0.01 mg/kg 0.005 0.005 mg/kg 0.002 0.01 mg/kg 0.005 0.048 mg/kg 0.02 0.003 mg/kg 0.002 0.0001 mg/kg 0.002 0.0001 mg/kg 0.0001 - mg/kg 5

Notes:

- (1) Test condition & simulant were specified by client.
- (2) Requirement for repeat use article: According to Council of Europe Resolution CM/Res(2013)9, the result from 3rd migration shall comply with the Specific Release Limit (SRL) and the sum of 1st and 2nd migration shall not exceed seven times of SRL for repeated use articles
- (3) Acidic foodstuff is not considered for compliance



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions/Terms

3rdBuilding, No. 889 Yishan Road Xuhui District Shanghai China 200233

中国・上海・徐汇区宜山路889号3号楼 邮編: 200233

t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21)61156899



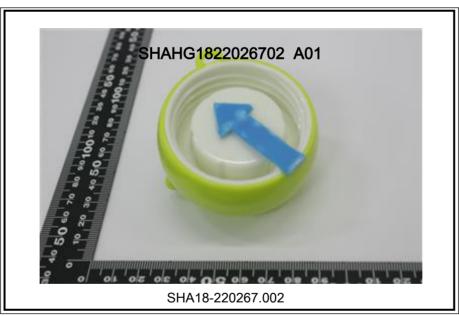
No. SHAHG1822026702 A01

Date: 24 Oct 2018

Page 13 of 17

Sample photo:







Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction is derein. 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 Cilent'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.

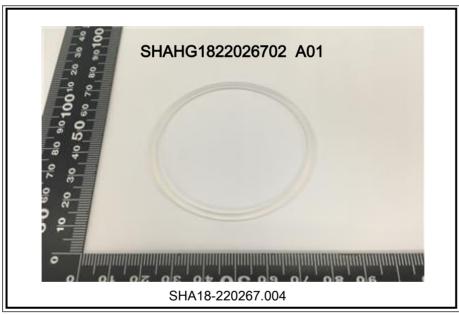
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@css.com"

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899



No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 14 of 17







Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction is derein. 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 Cilent'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.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@css.com"

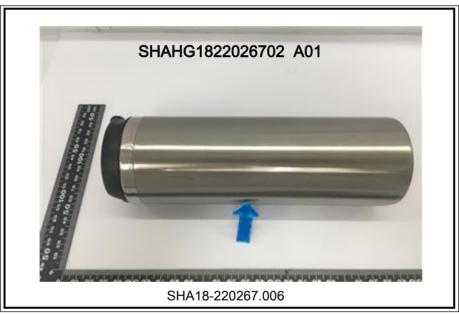
3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899

e sgs.china@sgs.com



No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 15 of 17







Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction is derein. 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 Cilent'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.

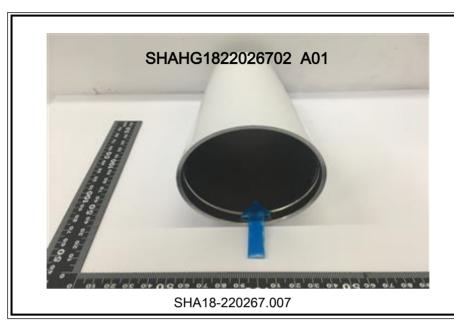
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@css.com"



No. SHAHG1822026702 A01

Date: 24 Oct 2018

Page 16 of 17







Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 the results shown in this test report refer only to the sample(s) tested.

Attention:*To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Attention:*To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, **Attention:*To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, *Totheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, ***Totheck the authenticity of testing /inspection report & certificate, please contact us at telephone: (86

3rdBuilding,No.889 Yishan Road Xuhui District,Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899

e sgs.china@sgs.com



No. SHAHG1822026702 A01 Date: 24 Oct 2018 Page 17 of 17





SGS authenticate the photo on original report only *** End of Report ***



Unless otherwise agreed in writing, 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/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification 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 Cilent'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, forger 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 lest report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

3rd Building, No. 889 Yishan Road Xuhui District, Shanghai China 200233 中国・上海・徐汇区宜山路889号3号楼 邮编: 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn t HL (86-21) 61402594 f HL (86-21) 61156899

e sgs.china@sgs.com