

Test Report

No. SHAHG1815054203 A01

Date: 18 Jul 2018

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ZHEJIANG NEW YANKUN TECHNOLOGY CO., LTD.

THE FIRST HOUSE, NO.88-19 YUGUI ROAD, NEW WEST INDUSTRY ZONE, YONGKANG, ZHEJIANG, CHINA

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAHG1815054201, DATE:2018/07/17.

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

SGS Job No. : SHHL1807036410CW - SH
 Supplier : ZHEJIANG NEW YANKUN TECHNOLOGY CO., LTD.
 Country of Origin : CHINA
 Style No. : YKS-B3, YKS-B5, YKS-B8, YKS-B9, YKS-B10
 Date of Sample Received : 09 Jul 2018
 Testing Period : 09 Jul 2018 - 17 Jul 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).

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

Helen Liu
 Approved Signatory

The test results are taken from report SHAHG1815054204.



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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
 Testing Center - China Head Office

13th 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.sgs.com.cn
 t HL (86-21) 61402594 f HL (86-21) 61156899 e sgs.china@sgs.com

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Result Summary :

Test Requested	Comments
GB 4806.5-2016-Sensory(Appearance: Glassware without flash, crack, gap)	PASS
GB4806.7-2016-Sensory (Appearance: Normal color, no smell, no impurity)	PASS
GB4806.7-2016-Sensory (Marinate: No turbidity, no precipitate, no smell, or other sensory deterioration)	PASS
GB 4806.9-2016-Sensory (Appearance: the surface which contact with food should be clean; Plating layer without cracks, peel off; Welding part should be smooth, without porosity, cracks, burr)	PASS
GB 4806.9-2016-Sensory (Marinate: No smell)	PASS
GB 4806.11-2016-Sensory(Appearance: Normal color, no smell, no dirty)	PASS
GB 4806.11-2016-Sensory (Marinate: Colorless, no turbidity, no precipitate, no smell, or other sensory deterioration)	PASS
GB 4806.9-2016- Specific Migration of heavy metal	PASS
GB 4806.7-2016-Overall migration	PASS
GB 4806.7-2016-Consumption of Potassium Permanganate	PASS
GB 4806.7-2016-Heavy metal (as Pb)	PASS
GB4806.11-2016-Overall migration	PASS
GB4806.11-2016-Potassium permanganate consumption	PASS
GB4806.11-2016-Heavy metal (as Pb)	PASS
GB4806.5-2016-Specific migration of lead and cadmium	PASS



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Testing Center-Chemical Laboratory

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
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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA18-150542.001	Black plastic lid	PP
SN2	SHA18-150542.002	Light grey silicone rubber ring	Silicone rubber
SN3	SHA18-150542.003	Transparent glass body	Glass
SN4	SHA18-150542.004	Transparent plastic bottom	PC
SN5	SHA18-150542.005	Silvery metal part	Stainless steel
SN6	SHA18-150542.006	Silvery metal hoop	Stainless steel
SN7	SHA18-150542.007	Beige yellow plastic lid	ABS

Remarks :

- (1) mg/kg = miligram per kilogram
- (2) % = percentage of weight by weight
- (3) °C= degree Celsius
- (4) RL = Report Limit
- (5) ND = Not Detected (< RL)
- (6) < = less than

GB 4806.9-2016- Specific Migration of heavy metal

Test Method : GB 31604.49-2016 part 2 Method I.

Simulant Used : 4% Acetic acid (V/V)

Test Condition : Boiling for 0.5h, and keep at room temperature for 24h

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>005</u>
Migration_times	-	-	-	First
Area_volume	-	dm ² /kg	-	6.0
Specific migration of arsenic(As)	0.04	mg/kg	0.004	ND
Specific migration of Cadmium (Cd)	0.02	mg/kg	0.002	ND
Specific migration of Lead (Pb)	0.05	mg/kg	0.005	ND
Specific migration of Nickel (Ni)	0.5	mg/kg	0.05	0.08
Comment				PASS

Simulant Used : 4% Acetic acid (V/V)

Test Condition : Boiling for 0.5h, and keep at room temperature for 24h

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>006</u>
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Migration_times	-	-	-	Third
Area_volume	-	dm ² /kg	-	6.0
Specific migration of arsenic(As)	0.04	mg/kg	0.004	ND
Specific migration of Cadmium (Cd)	0.02	mg/kg	0.002	ND
Specific migration of Lead (Pb)	0.05	mg/kg	0.005	ND
Specific migration of Nickel (Ni)	0.5	mg/kg	0.05	ND

Comment
PASS
GB 4806.7-2016-Overall migration

Test Method : GB 31604.8-2016.

Simulant Used	Time	Temperature	Limit	Unit	RL	001	Comment
10% Ethanol (V/V) Aqueous Solution	2.0 hr(s)	70 °C	10	mg/dm ²	3.0	ND	PASS
Simulant Used	Time	Temperature	Limit	Unit	RL	004	Comment
10% Ethanol (V/V) Aqueous Solution	2.0 hr(s)	70 °C	10	mg/dm ²	3.0	ND	PASS
Simulant Used	Time	Temperature	Limit	Unit	RL	007	Comment
10% Ethanol (V/V) Aqueous Solution	2.0 hr(s)	70 °C	10	mg/dm ²	3.0	ND	PASS

Notes :

- (1) Test condition & simulant were specified by client.
- (2) mg/dm² = milligram per square decimeter
- (3) The test data is obtained by considering the articles intended for repeated use as per described in GB31604.1-2015. Report the 3rd extractive result.

GB 4806.7-2016-Consumption of Potassium Permanganate

Test Method : GB 31604.2-2016.

Simulant Used	Time	Temperature	Limit	Unit	RL	001	Comment
Distilled water	2.0 hr(s)	60 °C	10	mg/kg	1.0	ND	PASS
Simulant Used	Time	Temperature	Limit	Unit	RL	004	Comment
Distilled water	2.0 hr(s)	60 °C	10	mg/kg	1.0	ND	PASS
Simulant Used	Time	Temperature	Limit	Unit	RL	007	Comment
Distilled water	2.0 hr(s)	60 °C	10	mg/kg	1.0	ND	PASS

Notes :



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(1) The test data is obtained by considering the articles intended for repeated use as per described in GB31604.1-2015. Report the 3rd extractive result.

GB 4806.7-2016-Heavy metal (as Pb)

Test Method : GB 31604.9-2016 method I.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>001</u>	<u>Comment</u>
4% Acetic acid (V/V)	2.0 hr(s)	60 °C	1	mg/kg	-	< 1	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>004</u>	<u>Comment</u>
4% Acetic acid (V/V)	2.0 hr(s)	60 °C	1	mg/kg	-	< 1	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>007</u>	<u>Comment</u>
4% Acetic acid (V/V)	2.0 hr(s)	60 °C	1	mg/kg	-	< 1	PASS

GB4806.11-2016-Overall migration

Test Method : GB 31604.8-2016.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>002</u>	<u>Conclusion</u>
10% Ethanol (V/V) Aqueous Solution	2.0 hr(s)	70 °C	10	mg/dm ²	3.0	ND	PASS

Notes :

- (1) Test condition & simulant were specified by client.
- (2) mg/dm² = milligram per square decimeter
- (3) The test data is obtained by considering the articles intended for repeated use as per described in GB31604.1-2015. Report the 3rd extractive result.

GB4806.11-2016-Potassium permanganate consumption

Test Method : GB 31604.2-2016.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>002</u>	<u>Comment</u>
Distilled water	0.5 hr(s)	60 °C	10	mg/kg	1.0	ND	PASS

Notes :

- (1) The test data is obtained by considering the articles intended for repeated use as per described in GB31604.1-2015. Report the 3rd extractive result.

GB4806.11-2016-Heavy metal (as Pb)

Test Method : GB 31604.9-2016 method I.



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Simulant Used	Time	Temperature	Limit	Unit	RL	002	Comment
4% Acetic acid (V/V)	0.5 hr(s)	60 °C	1	mg/kg	-	< 1	PASS

GB4806.5-2016-Specific migration of lead and cadmium

Test Method : Specific migration of Lead: GB 31604.34-2016 part 2 method III.
Specific migration of Cadmium: GB 31604.24-2016 method III.

Sample 003 Flatware
PASS

	Vol. of 4% Acetic acid used (mL)	Surface area (dm ²)	Time (hr(s))	Temperature (°C)
1	340	2	24	22
	Specific migration of lead (mg/dm ²)	Specific migration of cadmium (mg/dm ²)		
1	<0.1	<0.01		
Limit	0.8	0.07		

Notes :

- (1) Flatware: With an internal depth not exceeding 25mm, measured from the lowest point to the horizontal plane.
- (2) Holloware: With an internal depth exceeding 25mm, measured from the lowest point to the horizontal plane.
- (3) Storage pitcher: Holloware with capacity not less than 3L.
- (4) Large holloware: Holloware with capacity between 1.1L and 3L.
- (5) Small holloware: Holloware with capacity less than 1.1L.
- (6) Cooking ware: Article used for heating or preparing food.
- (7) Lip and Rim: Decoration glassware contact with oral with coating or color within 20 mm along the lip and rim area.



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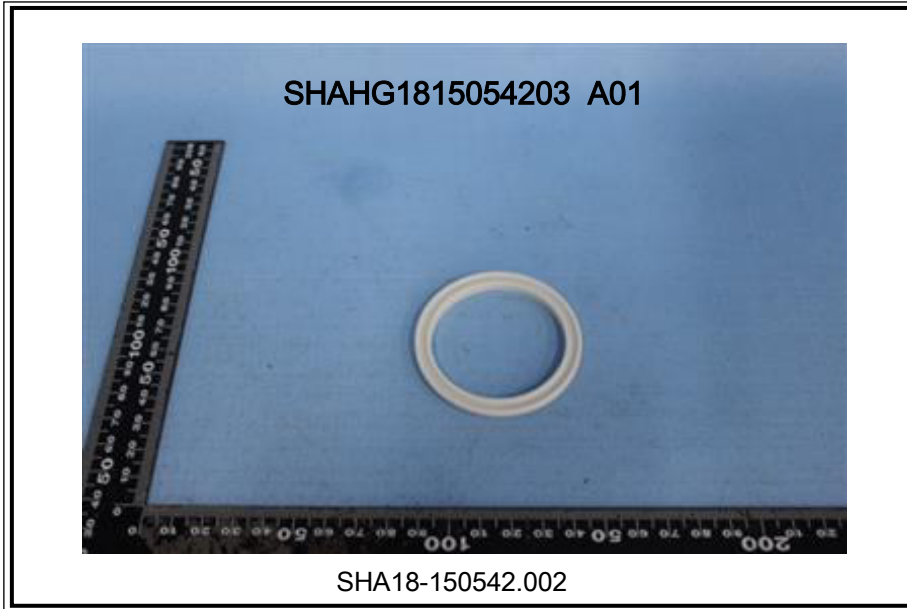
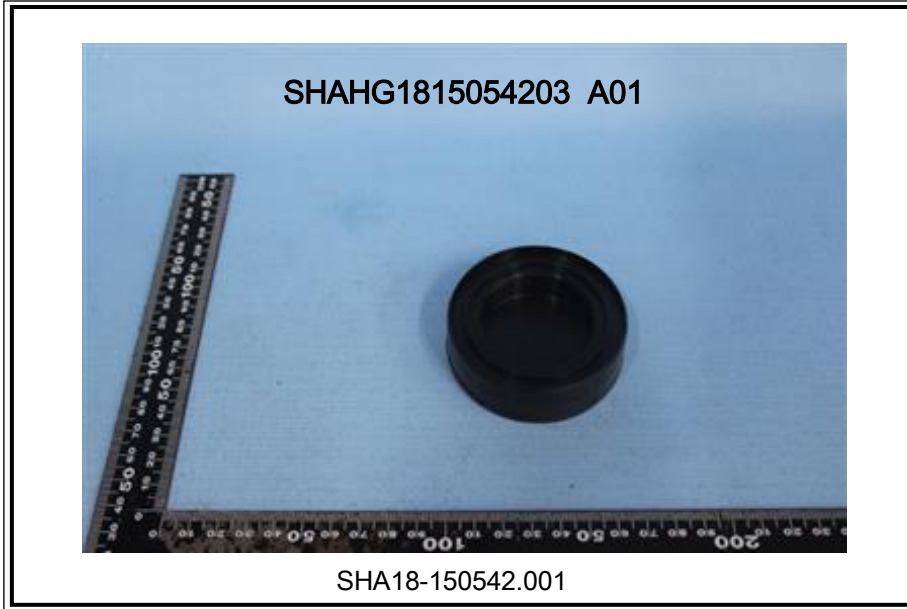
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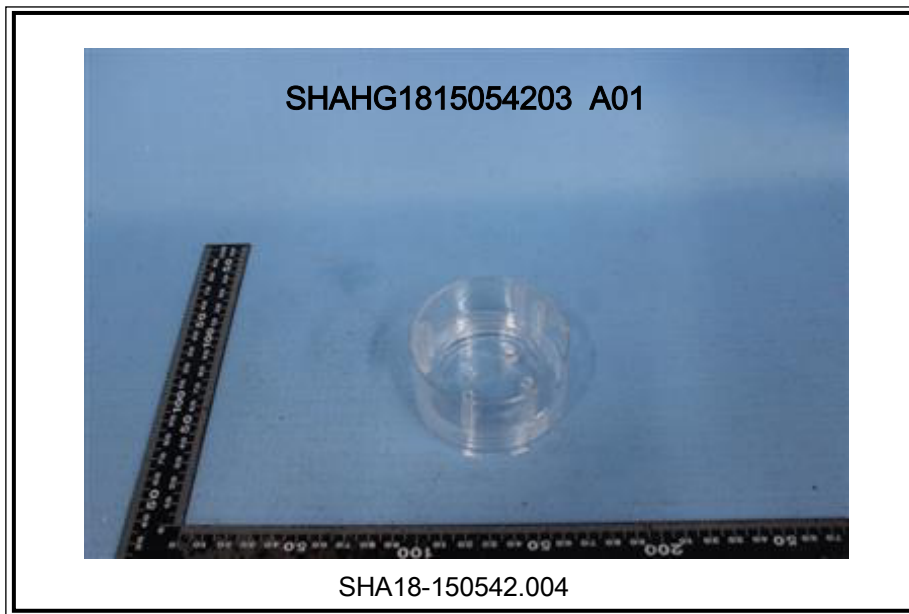
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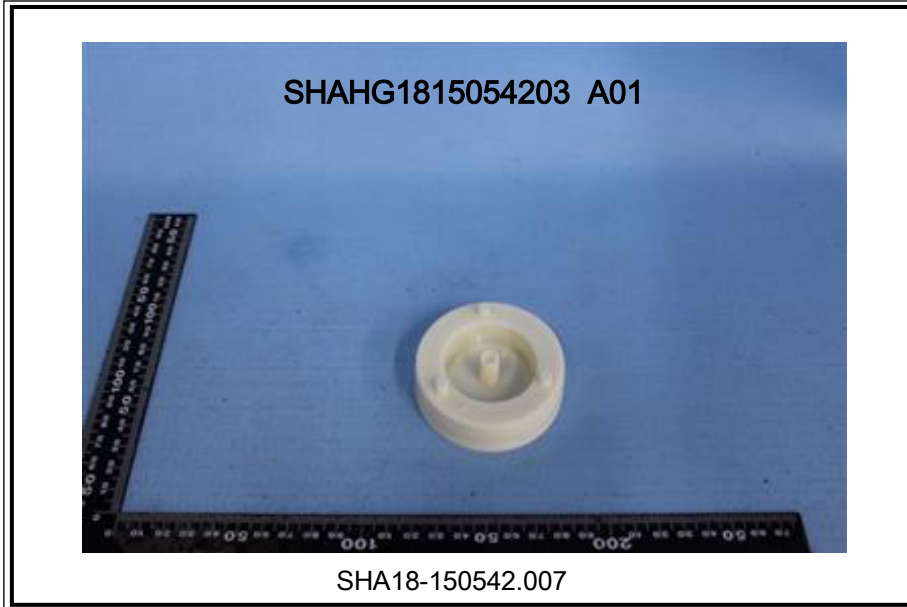
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