

**Test Report****No: SHFDO110713612FD****Date: Jul 21 2011**

Client name: Xindao Hong Kong Co., Ltd  
Client address: No.4711, Jiao Tong Rd., Shanghai, P.R. China

**The following sample(s) was/were submitted by/ on behalf of the client as (except SGS reference No. & SGS job No. & Date of receipt & Testing period):**

Sample name: P911.359 9pcs professional wine set  
Batch No./Date: /  
Manufacturer: /  
SGS reference No.: SHAFD1110795001 / SHAFD1110801701 / SHAFD1110800301 /  
SHAFD1110807101  
SGS job No.: SHFDO110713612FD  
Date of receipt: Jul 06 2011  
Testing period: Jul 06 2011 ~ Jul 13 2011

**TEST(S) REQUESTED:**

Selected test(s) as requested by applicant:

- (1) In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30, Germany recommendation for metal release for sample  
For material: Metal or metallic coating-Extractable Heavy Metals.
- (2) In accordance with Council of Europe Resolution AP (2004) 5.  
For material: Silicone rubber - Overall migration test
- (3) To determine the leachable Lead and Cadmium contents from the submitted samples with reference to European Council Directive 84/500/EEC (COUNCIL DIRECTIVE of 15 October 1984 on the approximation of the laws of the Member States relating to ceramic articles intended to come into contact with foodstuffs) and its amendment Commission Directive 2005/31/EC.
- (4) In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30, BfR recommendation.  
(4-1) For material: Wood - Extractable formaldehyde  
(4-2) For material: Wood - Pentachlorophenol (PCP) content

**TEST METHOD(S)/ TEST RESULT(S):**

Please refer to next page

**CONCLUSION:**

- (2) When tested as specified, the submitted samples comply with the overall migration stated in the Council of Europe Resolution AP (2004) 5 relating to silicone rubber materials and articles intended to come into contact with acidic foodstuff(pH≤4.5), alcoholic foodstuff.
- (3) When tested by specified method, Leachable Lead and Cadmium content of the submitted samples do not exceed the limit stated in European Council Directive 84/500/EEC and its amendment Commission Directive 2005/31/EC.

Signed for and on behalf of SGS

*Stella*

Authorized Signature

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**TEST METHOD(S):**

- (1) Sample preparation in 3% acetic acid at 40°C for 0.5 hours, followed by analysis using ICP-OES
- (2) With reference to EN1186-1:2002 for selection of conditions and test method;  
EN1186-3:2002 aqueous food simulants by total immersion method  
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; EN 1186-14:2002 substitute test
- (3) With reference to EEC Directive 84/500/EEC and 2005/31/EC. Analysis was performed by ICP-OES.
- (4-1) Sample preparation with reference to EN 13130-1: 2004 with selection of simulant and condition, followed by analysis by UV-vis
- (4-2) With reference to LFGB § 64 BVL B 82.02.08:2001

**TEST RESULT(S):**

- (1) Extractable Heavy Metals (Unit: mg/dm<sup>2</sup>)

Test item(s)	Test result(s)	Method detection limit(s)	Limit(s)
	1		
Extractable Lead	0.005	0.001	0.010
Extractable Cadmium	Not detected	0.001	0.005
Extractable Chromium	0.01	0.01	0.45
Extractable Nickel	0.01	0.01	0.1
Extractable Copper	0.09	0.01	0.5
Extractable Antimony	Not detected	0.1	0.1
Extractable Cobalt	Not detected	0.1	0.1
Extractable Aluminium	Not detected	0.03	0.3

Notes:

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) ND = Not detected
- (3) MDL = Method Detection Limit
- (4) Test condition & simulant were specified by client

- (2) Overall migration (Unit: mg/kg)

Simulant Used	Time	Temperature	Max. Permissible Limits	Overall Migration
				2
3% Acetic Acid (W/V) Aqueous Solution	0.5hr	40°C	60	< 20
10% Ethanol (V/V) Aqueous Solution	0.5hr	40°C	60	< 20

Notes:

- (1) mg/kg = milligram per kilogram
- (2) °C = degree Celsius
- (3) < = less than
- (4) Analytical tolerance of aqueous simulants is 6mg/kg
- (5) Test condition & simulant were specified by client.

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**(3) Leachable Lead and Cadmium**

	Vol. of 4% Acetic acid used (mL)	Diameter(mm)	Surface Area (dm <sup>2</sup> )	Leachable Lead (mg/dm <sup>2</sup> )	Leachable Cadmium (mg/dm <sup>2</sup> )
				3	3
1	80	6	0.18	< 0.1	< 0.01
2	80	6	0.18	< 0.1	< 0.01
3	80	6	0.18	< 0.1	< 0.01
4	80	6	0.18	< 0.1	< 0.01
Limit				0.8	0.07

**Notes:**

- 1) Category 1: Articles that cannot be filled and articles that can be filled, the internal depth of which does not exceed 25 mm.
- 2) Category 2: Articles, not in categories 1 or 3, which can be filled
- 3) Category 3: Cooking ware; packaging and storage vessels having a capacity of more than three liters

**(4-1) Extractable formaldehyde**
**Simulant Used : 3% Acetic Acid (W/V)**
**Test Condition : 40°C 0.50hr**

Test items	Max. Permissible Limits	Specific Migration	Method Detection Limit(s)
		4	
Extractable formaldehyde mg/kg	3	2.0	0.1

**Note: Test condition & simulant were specified by client.**
**(4-2) Pentachlorophenol (PCP)**

Test items	Method Detection Limit(s)	Test results	Limit
		4	
Pentachlorophenol (PCP) mg/kg	0.05	Not detected	5

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**SAMPLE DESCRIPTION:** 1. Silvery metal piece, 2. Black silicone rubber part, 3. Glass thermometer  
4. Black wood box



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

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