



Test Report

No.: T31720281016SC

Date: DEC 15, 2017

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BIC GRAPHIC USA
14421 MYERLAKE CIRCLE, CLEARWATER, FL, 33760

The following samples were submitted and identified on behalf of the client as:

ROUNDED SPOONER MUG - 11 OZ.

SGS Case No.	:	CA317202817889
Item No.	:	46174
Test Request Form No.	:	1591
Quantity Submitted	:	30 PCS OF 5 STYLES
Manufacturer Date	:	2017
Shipment Order No.	:	PO 7044192
Country of Origin	:	CHINA
Country of Destination	:	CANADA, UNITED STATES
Sample Receiving Date	:	NOV 10, 2017
Last Information Date	:	DEC 12, 2017
Test Performing Date	:	NOV 10 – NOV 27, 2017

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

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Result Summary :

Test Requested	Conclusion
1. US FDA CPG Sec. 545.400 and CPG Sec. 545.450 Pottery (Ceramics) – Leachable Lead and Cadmium	PASS
2. US SGCD and the Coalition for Safe Ceramicware (CSC) (Lip and Rim Area of Glass Tumblers Externally Decorated with Ceramic Glass Enamels) – Leachable Lead and Cadmium	PASS
3. Handle static loading strength (SGS In-House Method)	PASS
4. Handle Impact Resistance Strength (SGS In-House Method)	PASS

Conclusion	:	PASS	X
	:	FAIL	
	:	INCONCLUSIVE	

Signed for and on behalf of
SGS Hong Kong Ltd.

Che Wai Leuk, Jerry
Technical Manager

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Test Results :

1. US FDA CPG Sec. 545.400 and CPG Sec. 545.450 Pottery (Ceramics) – Leachable Lead and Cadmium

Method : With reference to AOAC 18th Ed. (2005) Section 973.32. Analysis was performed by Atomic Absorption Spectrometry.

Internal Surface (Cup and Mug)

Test Item	White Ceramic (Mug) (#16 – 46174)						Reporting Limit	Limit
	1	2	3	4	5	6		
Released Lead (µg/mL)	ND	ND	ND	ND	ND	ND	0.1	0.5
Released Cadmium (µg/mL)	ND	ND	ND	ND	ND	ND	0.01	0.5
Volume of 4% Acetic acid (mL)	360	360	360	360	360	360	--	--
Internal Depth (mm)	94	94	94	94	94	94	--	--
Diameter (mm)	75	75	75	75	75	75	--	--
Comment	PASS						--	--

Note : 1. µg/mL = microgram per liter
2. ND = Not Detected

Remark : 1. Flatware – Articles which cannot be filled and articles which can be filled, the internal depth of which does not exceed 25 mm.
2. Small Hollowware – Articles which can be filled with the internal depth of which exceed 25 mm and capacity of less than 1.1 liter.
3. Large Hollowware – Articles which can be filled with the internal depth of which exceed 25 mm and capacity of 1.1 liter or more.
4. The test results are extracted from the test report number T31720270963SC, where the sample is claimed to be identical.

Internal Surface (Flatware)

Test Item	Orange Ceramic (Spoon) (#1 – 46174)						Average	Reporting Limit	Limit
	1	2	3	4	5	6			
Released Lead (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.1	3.0
Released Cadmium (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.01	0.5
Volume of 4% Acetic acid (mL)	50	50	50	50	50	50	--	--	--
Internal Depth (mm)	--	--	--	--	--	--	--	--	--
Diameter (mm)	--	--	--	--	--	--	--	--	--
Comment	PASS						--	--	--

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Test Results (Cont'd) :

Test Item	Lime Green Ceramic (Spoon) (#2 – 46174)						Average	Reporting Limit	Limit
	1	2	3	4	5	6			
Released Lead (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.1	3.0
Released Cadmium (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.01	0.5
Volume of 4% Acetic acid (mL)	50	50	50	50	50	50	--	--	--
Internal Depth (mm)	--	--	--	--	--	--	--	--	--
Diameter (mm)	--	--	--	--	--	--	--	--	--
Comment	PASS						--	--	--

Test Item	Blue Ceramic (Spoon) (#3 – 46174)						Average	Reporting Limit	Limit
	1	2	3	4	5	6			
Released Lead (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.1	3.0
Released Cadmium (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.01	0.5
Volume of 4% Acetic acid (mL)	50	50	50	50	50	50	--	--	--
Internal Depth (mm)	--	--	--	--	--	--	--	--	--
Diameter (mm)	--	--	--	--	--	--	--	--	--
Comment	PASS						--	--	--

Test Item	Black Ceramic (Spoon) (#4 – 46174)						Average	Reporting Limit	Limit
	1	2	3	4	5	6			
Released Lead (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.1	3.0
Released Cadmium (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.01	0.5
Volume of 4% Acetic acid (mL)	50	50	50	50	50	50	--	--	--
Internal Depth (mm)	--	--	--	--	--	--	--	--	--
Diameter (mm)	--	--	--	--	--	--	--	--	--
Comment	PASS						--	--	--

Test Item	Red Ceramic (Spoon) (#5 – 46174)						Average	Reporting Limit	Limit
	1	2	3	4	5	6			
Released Lead (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.1	3.0
Released Cadmium (µg/mL)	ND	ND	ND	ND	ND	ND	ND	0.01	0.5
Volume of 4% Acetic acid (mL)	50	50	50	50	50	50	--	--	--
Internal Depth (mm)	--	--	--	--	--	--	--	--	--
Diameter (mm)	--	--	--	--	--	--	--	--	--
Comment	PASS						--	--	--

Note : 1. µg/mL = microgram per liter
2. ND = Not Detected

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Test Results (Cont'd) :

Remark : 1. Flatware – Articles which cannot be filled and articles which can be filled, the internal depth of which does not exceed 25 mm.
2. Small Hollowware – Articles which can be filled with the internal depth of which exceed 25 mm and capacity of less than 1.1 liter.
3. Large Hollowware – Articles which can be filled with the internal depth of which exceed 25 mm and capacity of 1.1 liter or more.

2. US SGCD and the Coalition for Safe Ceramicware (CSC) (Lip and Rim Area of Glass Tumblers Externally Decorated with Ceramic Glass Enamels) – Leachable Lead and Cadmium

Lip and Rim Area

Method : With reference to ASTM C927-80 (reapproved 2014). Analysis was performed by Atomic Absorption Spectrometry.

Trial	Depth (mm)	Diameter (mm)	Extract Volume (mL)	Result (µg/mL)		Permissible Limit (µg/mL)		Comment
				1-3				
				Lead	Cadmium	Lead	Cadmium	
1	94	75	200	< 0.05	< 0.01	--	--	--
2	94	75	200	< 0.05	< 0.01	--	--	--
3	94	75	200	< 0.05	< 0.01	--	--	--
4	94	75	200	< 0.05	< 0.01	--	--	--
5	94	75	200	< 0.05	< 0.01	--	--	--
6	94	75	200	< 0.05	< 0.01	--	--	--
SGCD and CSC (Average of six):				< 0.05	< 0.01	4.0	0.4	PASS

Sample Description :

1. White Ceramic w/ Orange Color on Rim (Mug) (#6 – 46174)
2. White Ceramic w/ Black Color on Rim (Mug) (#9 – 46174)
3. White Ceramic w/ Red Color on Rim (Mug) (#10 – 46174)

Note : 1. < = less than
2. µg/mL = microgram per millilitre

Remark : The test results are extracted from the test report number T31720270963SC, where the sample is claimed to be identical.

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Test Results (Cont'd) :

Test Property	Test Method	Test Principle / Requirements	Result/Actual finding
3. Handle static loading strength	SGS In-House Method	Shall not detach or loosen after subjecting to loading equivalent to 2 times of its capacity of water for 1 hour.	PASS for ALL 3 styles Tested Load: 710g (Red) 710g (Orange) 720g (Black)
4. Handle Impact strength (Applicable to ceramic item)	SGS In-House Method	The rim and handle shall withstand impact of 0.05J impact energy without visible damage or chipping.	PASS for ALL 3 styles No breakage or damage occurred on tested sample at 0.05J

Remark : The test results are extracted from the test report number T31720270963SC, where the sample is claimed to be identical.

Photo Appendix



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*** End of Report ***

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