

Test Report

Report No.: CTT1912033016EN

Date: Dec. 14, 2019

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Applicant: HEADWIND CERAMIC LTD

Address: 7F GOLD UNION COMM BLDG., 70-72 CONNAUGHT ROAD WEST, HONG KONG

Sample Received Date: Dec. 11, 2019

Completed Date: Dec. 14, 2019

The following merchandise was (were) submitted and identified on behalf of the applicant as:

Sample Name: Ceramic Coffee mug w/Facets

Sample Model: CDKW061-BK, CDKW061-WH, CDKW061-GY, CDKW061-NV

Supplier: Headwind Ceramic Ltd

Sample Color: White, Black, Navy, Grey

Exported to: USA

Country of Origin: China

Test Result(s): Please refer to next page(s).

Signed for and on Behalf of CTT



Frank / Lab manager

Consumer Testing Technology Co., Ltd.

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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Tested materials of submitted samples	U.S.Food and Drug Administration(FDA) CPG Sec. 545.400 Pottery (Ceramics); Imported and Domestic - Cadmium Contamination (CPG 7117.06) & CPG Sec. 545.450 Pottery (Ceramics); Imported and Domestic - Lead Contamination (CPG 7117.07). - Leachable Lead(Pb) & Cadmium(Cd)	PASS
2	Tested materials of submitted samples	San Francisco Superior Court, Case No.938430 on food and beverage use ceramicware – Interior - Extractable Lead (Pb) &Cadmium (Cd)	PASS
3	Tested materials of submitted samples	Total Lead(Pb)	DATA

Test Result(s):

U.S.Food and Drug Administration(FDA) CPG Sec. 545.400(CPG 7117.06) & CPG Sec. 545.450 (CPG 7117.07) - Leachable Lead(Pb)&Cadmium(Cd)

Method: With reference to ASTM C738-94(2011), analyzed by Atomic Absorption Spectrometer (AAS) / Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).

Material No.	Description	Location	Depth(mm)
1	Black ceramic	Cup	100

Material No.	Sample	Result(µg/mL)		Conclusion
		Leachable Lead(Pb)	Leachable Cadmium(Cd)	
	Limit (µg/mL)	0.5	0.5	
1	(1)	<0.1	<0.01	PASS
	(2)	<0.1	<0.01	
	(3)	<0.1	<0.01	
	(4)	<0.1	<0.01	
	(5)	<0.1	<0.01	
	(6)	<0.1	<0.01	
	Average	<0.1	<0.01	

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- Note:**
1. Volume of 4% Acetic acid used 470 mL.
 2. $\mu\text{g/mL}$ = Micrograms per milliliter.
 3. Permissible limits for articles

Category	Criteria	Lead(Pb) ($\mu\text{g/mL}$)	Cadmium(Cd) ($\mu\text{g/mL}$)
Flatware	Average of 6 units	3.0	0.5
Small Hollowware other than cups and mugs	Any one of 6 units	2.0	0.5
Cups/mugs	Any one of 6 units	0.5	
Large Hollowware other than pitchers	Any one of 6 units	1.0	0.25
Pitchers	Any one of 6 units	0.5	

San Francisco Superior Court, Case No.938430 - Extractable Lead(Pb) & Cadmium(Cd) on food and beverage use ceramicware – Interior

Method: With reference to ASTM C738-94(2011), analyzed by Atomic Absorption Spectrometer (AAS) / Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES).

Material No.	Description	Location	Depth(mm)
1	Black ceramic	Cup	100

Material No.	Sample	Result(mg/L)		Conclusion
		Extractable Lead(Pb)	Extractable Cadmium(Cd)	
	Limit (mg/L)	0.1	0.189	
1	(1)	<0.1	<0.01	PASS
	(2)	<0.1	<0.01	
	(3)	<0.1	<0.01	
	(4)	<0.1	<0.01	
	(5)	<0.1	<0.01	
	(6)	<0.1	<0.01	

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- Note:**
1. Volume of 4% Acetic acid used 470 mL.
 2. mg/L = Milligram per liter.
 3. Permissible limits for articles

Category	Criteria	Lead(Pb) (mg/L)	Cadmium(Cd) (mg/L)
Flatware	Average of 6 units	0.226	1.853
Small Hollowware	Any one of 6 units	0.100	0.189
Large Hollowware	Any one of 6 units		0.049

Total Lead (Pb)

Method:

Metal –CPSC-CH-E1001-08.3

Nonmetal –CPSC-CH-E1002-08.3

Surface coating –CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Material No.	Result (mg/kg)
2 ^N	70

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. “N” = The test result is obtained from composite testing on materials linked with “N” mark, it is possible that individual test result can be higher if the materials are tested separately. This had not been taken in account in the conclusion of this report.

Test Material List:

Material No.	Description	Location
1	Black ceramic	Cup
2	White ceramic +gray ceramic +blue ceramic	Three kinds of cup

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Photo of Sample:



End of Report

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