



# TEST REPORT

HEADWIND CERAMIC LTD

LAB LOCATION: HONG KONG  
 LAB NUMBER: (5210)106-0252

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DATE IN: April 15, 2010  
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 WORKING DAYS: 11  
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OVERALL RATING	
PASS	_____ X _____
FAIL	_____
DATA	_____

**TESTING FOR  
 CALIFORNIA PROPOSITION 65  
 CPSD - 06572 - US,  
 U.S. FDA 7117.06 & 7117.07 LEACHABLE LEAD  
 AND CADMIUM CONTENTS,  
 EXTRACTABLE LEAD AND CADMIUM IN  
 CERAMICWARES - EUROPEAN COUNCIL  
 DIRECTIVE 84/500/EEC AND EUROPEAN  
 COMMISSION DIRECTIVE 2005/31/EC,  
 2002/72/EC,  
 RUBBER ARTICLE INTENDED FOR REPEATED  
 USE - U.S. FDA 21 CFR 177.2600**

<b>Sample Description:</b>	DOUBLE WALL PORCELAIN MUG						
<b>Manufacturer:</b>	/				<b>P.O. No.:</b>	/	
<b>Buyer:</b>				<b>Style:</b>			
<b>Country of Origin:</b>	CHINA	<b>Country of Destination:</b>			USA		
<b>Color:</b>	WHITE	<b>SKU Number:</b>			/		
<b>Re-test:</b>	<b>Yes:</b>		<b>No:</b>	X	<b>Charge Vendor:</b>	<b>Yes:</b>	X
<b>Previous Report No.:</b>	/						



**BUREAU**  
**VERITAS**

**EXECUTIVE SUMMARY:**

1. The leachable cadmium (Cd) and lead (Pb) contents at the interior of the submitted samples comply with the U.S. Food And Drug Administration requirements (FDA CPG 7117.06 and 7117.07).The test results are stated as below:

**TEST RESULT**

- **U.S. FDA CPG, Guides 7117.06 - Cadmium Contamination and 7117.07 - Lead Contamination.**

Key: LT = Less than

ppm = parts per million

Classification: Interior		Cups, Mugs		
Element:		Lead	Cadmium*	
Maximum Allowable Limit: Any one of 6 units		0.5 ppm	0.5 ppm	
Sample Description	Specimen	Result (ppm)		Conclusion
A. Double Wall Porcelain Mug - White	#1	LT0.05	LT0.01	Pass
	#2	LT0.05	LT0.01	
	#3	LT0.05	LT0.01	
	#4	LT0.05	LT0.01	
	#5	LT0.05	LT0.01	
	#6	LT0.05	LT0.01	

**BUREAU  
VERITAS**

2. The submitted sample(s) demonstrated satisfactory analytical properties as the leachable lead (Pb) and cadmium (Cd) contents complied the Extractable Lead and Cadmium in Ceramicwares – European Council Directive 84/500/EEC and European Commission Directive 2005/31/EC. Test results are stated as below: (PASS)

**Extractable Lead and Cadmium in Ceramicwares – European Council Directive 84/500/EEC and European Commission Directive 2005/31/EC**

Test Item 1: Double Wall Porcelain Mug

Internal Depth (mm): 13

Unit	Result (mg/dm <sup>2</sup> )	
	Lead	Cadmium
1	<0.05	<0.01

Category	Unit	Maximum Allowable Limit		Conclusion
		Lead	Cadmium	
1	mg/dm <sup>2</sup>	<4.0	<0.3	PASS

Note: "<" = less than  
mm = millimetre  
mL = milliliter  
mg/dm<sup>2</sup> = milligrams per square decimeter  
mg/L = milligrams per liter

Method: European Council Directive 84/500/EEC and European Commission Directive 2005/31/EC. The lead and cadmium contents are determined by Atomic Absorption Spectrophotometer.

Remark:

Category 1 - articles which cannot be filled and articles which can be filled, the internal depth of which, measured from the lowest point to the horizontal plane passing through the upper rim, does not exceed 25 mm.

Category 2 - articles, not in categories 1 or 3, which can be filled

Category 3 - packaging and storage vessels having a capacity of more than 3 L and cooking ware



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3. The leachable cadmium (Cd) and lead (Pb) contents at the interior of the submitted samples comply with the average leachable lead and cadmium content requirements of the California Regulations Proposition 65. The test results are stated as below:

**California Health and Safety Code - Control of lead release from tableware**

• **Heavy Metals Analysis - Section 108860**

Key: LT = Less than                      ppm = parts per million

Classification: Interior		Small Hollowware		
Element:		Lead	Cadmium	
Maximum Allowable Limit: Average of 6 units		0.1 ppm	0.189 ppm	
Sample Description	Specimen	Result (ppm)		Conclusion
A. Double Wall Porcelain Mug - White	#1	LT0.05	LT0.01	Pass
	#2	LT0.05	LT0.01	
	#3	LT0.05	LT0.01	
	#4	LT0.05	LT0.01	
	#5	LT0.05	LT0.01	
	#6	LT0.05	LT0.01	
	Average	LT0.05	LT0.01	



4. The overall migration requirements of the tested conditions of use of the European Directives 2002/72/EC, "Testing migration of the constituent of plastic materials and articles intended to come into contact with foodstuffs", and their amendments.

**OVERALL MIGRATION (Council Directives 2002/72/EC and amendments)**

Description of Foodstuffs intended to contact: Non-alcoholic beverages, Non-acid, Acid, Aqueous food product

Test Condition: 3% Acetic Acid: 2 hrs, 70°C  
50% Ethanol: 2hrs, 70°C

Test Component	Parameter	Result (mg/kg)	Maximum Overall Limit (mg/kg)	Analytical Tolerance (mg/kg)	Conclusion
A.	White plastic (Lid)				
	- 3% Acetic Acid	1.1	60	+ 12	Pass
	- 50% Ethanol	8.5	60	+ 12	Pass

mg/kg = milligrams per kilogram

N/A = Not Applicable

LT= Less Than



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5. The submitted sample was found to comply with the Rubber Article Intended for Repeated Use - U.S. FDA 21 CFR 177.2600 requirements. The test result is stated as below:

**TEST RESULT**

Sample Description		
Color / Component	Location	Style
(A) White Plastic On Lid	Tumbler	-

Type of food:	Aqueous Food		
Solvent:	Distilled water		
Parameter:	First 7 hours of extraction	Succeeding 2 hours of extraction	
Maximum total extractives: (mg/sq. in.)	20	1	
Sample Description	Result (mg/sq. in.)		Conclusion
A.	0.4	0.3	Pass

mg/sq. in. = milligrams per square inch (of food-contact surface)

LT = Less Than

**REMARKS:**

The submitted sample is not applicable to test Lip and Rim test, because the mug is decorated in the top less than 2 cm.



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**NOTE:** If there are questions or concerns regarding above report, please contact the appropriate lab persons.

Technical questions & concerns:

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BUREAU VERITAS HONG KONG LIMITED

SK TSANG  
MANAGER - HARDLINES

# REPORT

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