



REPORT

Technical Report: (5111)026-0039

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February 9, 2011



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CRACKER BARREL OLD COUNTRY STORE INC.

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SHERRY MEDLEY
RICHARDS & SOUTHERN, INC
501 NORTH MAIN STREET
GOODLETTSVILLE, TN 37072
UNITED STATES

Product Description:	11OZ CERAMIC COFFEE MUG	PO No.:	401960
Color:	WHITE	VPN:	N/A
Country of Origin:	CHINA	SKU No.:	363516
Dept #:	506	Protocol No.:	/
Buyer Name:	MARY BETH TOME	Previous Report #:	/
CC Names:	N/A		

EXECUTIVE SUMMARY:

The submitted sample(s) were evaluated to the applicable sections of protocol **CBRL-6011-US**.

The sample(s) received a **PASS** rating.

BVCPS Buffalo Contact Information for this Report:

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Bureau Veritas
Consumer Products Services, Inc.

Doug Campbell
Product Test Engineer,
Hardlines Department

/jmg



RESULTS:

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

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. 11oz Ceramic Coffee Mug – You Strike	#1	LT 0.03	LT 0.01	Data
	#2	-	-	
	#3	-	-	
	#4	-	-	
	#5	-	-	
	#6	-	-	

LT = Less Than ppm = Parts per Million

Quality Control	Lead	Cadmium
1. Method Blank (ppm)	LT 0.03	LT 0.01
2. Spike Blank Recovery (%)	104	102
3. Spike Blank Recovery Acceptance Limit (%)	85 - 115	85 - 115

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

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
B. 11oz Ceramic Coffee Mug – Without Music	#1	LT 0.03	LT 0.01	Data
	#2	-	-	
	#3	-	-	
	#4	-	-	
	#5	-	-	
	#6	-	-	

LT = Less Than ppm = Parts per Million

Quality Control	Lead	Cadmium
4. Method Blank (ppm)	LT 0.03	LT 0.01
5. Spike Blank Recovery (%)	104	102
6. Spike Blank Recovery Acceptance Limit (%)	85 - 115	85 - 115



RESULTS:

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

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
C. 11oz Ceramic Coffee Mug – Music People Rock	#1	LT 0.03	LT 0.01	Data
	#2	-	-	
	#3	-	-	
	#4	-	-	
	#5	-	-	
	#6	-	-	

LT = Less Than ppm = Parts per Million

Quality Control	Lead	Cadmium
7. Method Blank (ppm)	LT 0.03	LT 0.01
8. Spike Blank Recovery (%)	104	102
9. Spike Blank Recovery Acceptance Limit (%)	85 - 115	85 - 115

- **U.S. Society of Glass and Ceramic Decorators (SGCD)**

Classification: Exterior		Rim		
Element:		Lead	Cadmium	
Maximum Allowable Limit: Any one of 6 units		4.0 ppm	0.4 ppm	
Sample Description	Specimen	Result (ppm)		Conclusion
C. 11oz Ceramic Coffee Mug – Music People Rock	#1	LT 0.01	LT 0.01	Data
	#2	-	-	
	#3	-	-	
	#4	-	-	
	#5	-	-	
	#6	-	-	

LT = Less Than ppm = Parts per Million



RESULTS:

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

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
D. 11oz Ceramic Coffee Mug – What Part Don't	#1	LT 0.03	LT 0.01	Data
	#2	-	-	
	#3	-	-	
	#4	-	-	
	#5	-	-	
	#6	-	-	

LT = Less Than ppm = Parts per Million

Quality Control	Lead	Cadmium
10. Method Blank (ppm)	LT 0.03	LT 0.01
11. Spike Blank Recovery (%)	104	102
12. Spike Blank Recovery Acceptance Limit (%)	85 - 115	85 - 115

- **U.S. Society of Glass and Ceramic Decorators (SGCD)**

Classification: Exterior		Rim		
Element:		Lead	Cadmium	
Maximum Allowable Limit: Any one of 6 units		4.0 ppm	0.4 ppm	
Sample Description	Specimen	Result (ppm)		Conclusion
D. 11oz Ceramic Coffee Mug – What Part Don't	#1	LT 0.01	LT 0.01	Data
	#2	-	-	
	#3	-	-	
	#4	-	-	
	#5	-	-	
	#6	-	-	

LT = Less Than ppm = Parts per Million



**CRACKER BARREL TEST PROTOCOL FOR
 CBRL-6011-US
 Ceramic Dinnerware (V8)**

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
SUPPLEMENTAL PROTOCOLS					
*Non-CPSIA Requirements	CBRL-GB-PTCL-08443-US		All samples shall be reviewed against the requirements of Non-CPSIA Requirements supplemental protocol to determine if additional testing or labeling is required.	NA No surface coatings	-
Note: Additional cost, sample size & TAT may be required if testing to 1 or more supplemental protocols is necessary. Please refer to the above referenced supplemental protocol(s) for additional information.					
LABELING					
One Time Use Products **Fair Packaging and Labeling Act OR All Other Products **Uniform Packaging and Labeling Regulations	F.P. & L. Act (16 CFR 500) OR NIST Uniform Laws and Regulations Handbook 130	1	Manufacturer, Packer, or Distributor's Name & Address (City, State & ZIP Code)	M Dist. By: CBOCS Distribution, Inc. 900 Hutchinson PL, Lebanon, TN 37090	PASS
			Product Identification	M Mug (Visual)	PASS
			Net quantity of contents shall be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison (U.S. and metric units).	M 1 Mug (Visual)	PASS
**Country of origin	19 CFR 134	1	Shall indicate country of origin legibly, permanently, and in comparable size and close proximity to any mention of country other than country in which the article was manufactured or produced. Shall be visible at point of purchase.	M Made in China	PASS
ANALYTICAL					
* Extractable cadmium and lead - interior of product	FDA CPG 7117.06 & 7117.07	6	Cd: 0.25 ppm (Large Hollowware) 0.5 ppm (Small Hollowware) 0.5 ppm (Flatware) Pb: 1.0 ppm (Large Hollowware) 2.0 ppm (Small Hollowware) 0.5 ppm (Cups / Mugs / Pitchers) 3.0 ppm (Flatware) Note: This test is applicable to Porcelain, Stoneware, Ceramic, Enameled Metalware	See data table	DATA



CBRL-6011-US
Ceramic Dinnerware (V8)

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
* Extractable cadmium and lead - lip and rim area	SGCD / ASTM C927-80 R04	6	If a cup or mug is decorated in the top 2 cm: Pb: 4.0 ppm Cd: 0.4 ppm Note: this test is applicable to Porcelain, Stoneware, Ceramic & Glass	See data table	DATA
CONSTRUCTION & WORKMANSHIP					
Sharp points and sharp edges	16 CFR 1500.48 / 1500.49 modified	All	Shall have no sharp points/edges, other than those required for function. Modification = Expanded scope to other products	M	PASS
PERFORMANCE					
Effects of boiling water - for any articles intended to hold boiling water	CPSD-HL-01013-MTHD modified / Boiling water	1	Shall exhibit no breakage, crack, deformation, loss of functionality and color changes when the sample is filled with boiling water to 10% of interior height from the top of the sample for 5 minutes. Record and report the dimensions of sample and volume of boiling water used to fill the sample. Modification = changed time from '2 hours' to '5 minutes'	M	PASS
Effects of hand washing	CPSD-HL-01016-MTHD modified / Hand wash	1	Shall exhibit no exterior surface degradation after being hand washed 10 times using a national brand liquid detergent at peak of 110°F, followed by rinse in cold water. Modification = changed hand washing times from '5' to '10'	M	PASS
Dishwasher exposure - if applicable HL-319	CPSD-HL-01014-MTHD / Dishwasher	1	Shall be no surface degradation, crazing, scratches, or deformation after 5 cycles on normal wash using national brand automatic detergent at peak wash temperature of 140°F.	M	PASS
Microwave exposure - if applicable HL=-020	CPSD-HL-01024-MTHD modified / Microwave	1	Shall withstand test with no distortion, melting, surface deformation, or staining after 5 cycles. Test filled 2/3 full of water. Boil for 3 minutes. Report result of measured temperature Modification = changed microwave time from '5mins' to '3mins' and amount of filling water from '3/4 full' to '2/3 full'	M	PASS
Stain resistance HL-100-097	CPSD-HL-01015-MTHD / Staining	1	Dishwasher; various food materials – Shall resist permanent staining. Specify if the staining location is on the ceramic or the component. Note: Do not rate for rubber component (eg. Gasket, stopper), report result only	M	PASS
Handle strength - loaded	CPSD-HL-01027-MTHD / Strength	1	Shall withstand 2 times the volume capacity weight @ room temperature and after heating	M Held 1.4 lb	PASS



CBRL-6011-US
Ceramic Dinnerware (V8)

Evaluation	Citation/Method	No. Samples	Criteria	Results	Rating
* Surface defects by stain HL-100-097	CPSD-HL-01058-MTHD / Actual use	1	[For ceramic only] Immerse sample in a tank of staining solution (1% Methylene Blue) for 1 minute and wash clear to evaluate if there are surface defects (such as cracks, damages).	M Used Blue Food Coloring And Water	PASS

Key:

* Additional Charge For This Test ** Mandatory Requirement

Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded

Rating Key:

Pass	Pass
Fail	Fail

No. Of Samples Required For Complete Testing:	10
No. Of (Fully Packed) Cartons For Transit Testing:	-
No. Of Working Days For Complete Testing:	7

(6 additional for mugs / cups decorated in top 2cm)

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