



APPLIED TECHNICAL SERVICES, INCORPORATED

1049 Triad Court, Marietta, Georgia 30062 • (770) 423-1400 Fax (770) 424-6415

CHEMICAL TEST REPORT

Ref. C316225 Rev 2* Date June 26, 2019 Page 1 of 2

Customer: LOUISE STURHLING, Kotwaster LLC, 23046 Avenida de la Carlota, Suite 660B, Laguna Hills, CA 92653

Attention: EMMANUEL DOTSEY

Purchase Order #: Credit Card Part /Name: See Below

Material Designation: Coating on metal

Special Requirement: Tested using ASTM C738-94 as a guide. Samples extracted with known volumes of 4% acetic acid solution.

Lab Comment: Extraction solutions analyzed per ASTM E1479-16.

Test Results

Composition: parts per million ($\mu\text{g/mL}$) Relative to Interior Volume

Identification	Pb	Cd	Interior Volume	Extraction Solution Volume	
Alloy or Spec. Req. (1)(2)	0.100 Max.	0.189 Max.	mL	mL	
Green Ceramic Coating	*N.D.	*N.D.	3800	3800	Pass

*N.D. = None Detected

This sample was analyzed for lead with a detection limit of 0.025 ppm or $\mu\text{g/mL}$ and was analyzed for cadmium with a detection limit of 0.010 ppm or $\mu\text{g/mL}$.

- (1) California limit for extractable lead in cups and mugs
- (2) California limit for extractable cadmium in cups and mugs

Sample Measurements: Opening Width – 21.3 cm horizontally / 23.8 cm diagonally
 Base Width – 20.0 cm horizontally / 23.0 cm diagonally
 Height – 11.3 cm
 Depth – 11.2 cm

Items in **BOLD** do not meet the requirements listed.

Revision 1* revised results to be listed as *N.D., added the foot notes, updated the contact information and updated the sample identification.

Revision 2* updated the customer and contact information

Prepared by:  J. Reed
Technician

Approved by:  J. Burmeister
Manager



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Figure 1