

CHICAGO SPECTRO SERVICE LABORATORY, INC.
Spectrographic and Chemical Analysts
Metallurgists



#0781-01
ANALYSIS REPORT FOR:

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PURCHASE ORDER NO. Ltr of 1/16/2012

DATE 01/19/2012

Report/Lab Number: H6496

SCOPE: Determination of lead and cadmium extracted by acetic acid from glazed ceramic surfaces of samples received January 18, 2012.

SAMPLE IDENTIFICATION/DESCRIPTION: (1) 003-RIC, Ricco Deruta, (2) 003-RAF Raffaellesco Deruta, (3) 003-ROY Royale Deruta

CHEMICAL ANALYSIS:

| <u>Sample</u> | <u>Lead</u> | <u>Cadmium</u> |
|---------------|-------------|----------------|
| #1 | 0.05 ppm | < 0.01 ppm |
| #2 | 0.02 | < 0.01 |
| #3 | 1.30 | < 0.01 |

Leachate Volume: (1) 210, (2) 244, (3) 200,
Diameter: (1) 21 cm, (2) 22 cm, (3) 22 cm,
Depth: (1) 2 cm, (2) 2 cm, (3) 2 cm,

TEST METHODS:

AOAC 25.031, section 973.32, 15th edition; ASTM C738.94; and FDA compliance policy guides 7117.05 - 7117.07. Determination of lead and cadmium extracted with 4% acetic acid for 24 hrs. and measured by Atomic Absorption Spectrophotometry.

SPECIFICATION: The F.D.A. action levels for flatware (internal depth < 2.5 cm.): 3.0 ppm lead and 0.50 ppm cadmium average for six units tested.

NOTE: Samples #1, #2, and #3 are in compliance with current standards
Testing was performed on less than six identical units as specified in ASTM C738.

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BY 
Richard Goldblatt, Director