



Certificate of Analysis

EPA Method 200.7 Spiking Standard #5

Catalog Number: ICM-215

Lot Number: CM-1380A

Lot Issue Date: 06/27/2017

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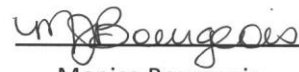
This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method	NIST SRM
arsenic	800.9	±	4.0	µg/mL	ICP / ICP-MS	3103a
cadmium	100.1	±	0.5	µg/mL	ICP / ICP-MS	3108
lead	1002	±	5	µg/mL	ICP / ICP-MS	3128
selenium	1002	±	5	µg/mL	ICP / ICP-MS	3149
thallium	1000	±	5	µg/mL	ICP / ICP-MS	3158

Matrix: 5% nitric acid in low TOC water (< 50 ppb)

ULTRA uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and meticulously cleaned bottles in the manufacturing of ULTRA grade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.


John Russo
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ISO 9001 Registered Quality System – TUV USA