



Certificate of Analysis

EPA Method 200.7 Spiking Standard #5

Catalog Number: ICM-215

Lot Number: CS-2415

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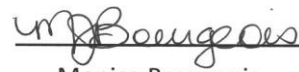
This Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST 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	800.7 ± 4.0 µg/mL	ICP / ICP-MS	3103a
cadmium	100.2 ± 0.5 µg/mL	ICP / ICP-MS	3108
lead	1002 ± 5 µg/mL	ICP / ICP-MS	3128
selenium	1001 ± 5 µg/mL	ICP / ICP-MS	3149
thallium	1001 ± 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 ULTRAgrade 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
President


Monica Bourgeois
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ISO 9001 Registered Quality System – TUV USA