



Certificate of Analysis

EPA Method 200.7 Mixed Calibration Std #4

Catalog Number: ICM-234

Lot Number: R01150A

Lot Issue Date: 03/27/2017

Expiration Date: 04/30/2020

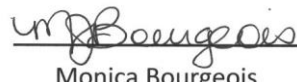
This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence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

Analyte	True Value				Analytical Method	NIST SRM
aluminum	100.0	±	0.5	µg/mL	ICP / ICP-MS	3101a
chromium	50.0	±	0.3	µg/mL	ICP / ICP-MS	3112a
silicon	100.0	±	0.5	µg/mL	ICP / ICP-MS	3150
tin	40.0	±	0.2	µg/mL	ICP / ICP-MS	3161a
zinc	50.0	±	0.3	µg/mL	ICP / ICP-MS	3168a

Matrix: 2% nitric acid, with trace hydrofluoric 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
Director of QA/RA



ISO 9001 Registered Quality System – TUV USA