



Certificate of Analysis

EPA Method 200.7 Calibration Standard #4

Catalog Number: ICM-205

Lot Number: CS-0743

Lot Issue Date: 02/14/2018

Expiration Date: 03/31/2021

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.

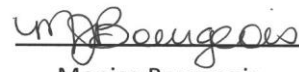
Analyte	True Value			Analytical Method		NIST SRM
aluminum	1001	±	5.0 µg/mL	ICP / ICP-MS		3101a
calcium	1001	±	5.0 µg/mL	ICP / ICP-MS		3109a
chromium	500.2	±	2.5 µg/mL	ICP / ICP-MS		3112a
magnesium	1001	±	5.0 µg/mL	ICP / ICP-MS		3131a
nickel	500.7	±	2.5 µg/mL	ICP / ICP-MS		3136
potassium	1002	±	5.0 µg/mL	ICP / ICP-MS		3141a
* silver	500.7	±	2.5 µg/mL	ICP / ICP-MS		3151
sodium	1001	±	5.0 µg/mL	ICP / ICP-MS		3152a
zinc	500.2	±	2.5 µg/mL	ICP / ICP-MS		3168a

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

** light sensitive*

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