



Certificate of Analysis

Mixed Standard Solution IV

EPA Method 6010A

Catalog Number: ICM-604

Lot Number: T00621

Job Number: J00018304

Lot Issue Date: 05/28/2014

Expiration Date: 06/30/2018

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	
aluminum	200.0	±	1.0	µg/mL	ICP / ICP-MS	3101a
calcium	1000	±	5	µg/mL	ICP / ICP-MS	3109a
chromium	20.00	±	0.10	µg/mL	ICP / ICP-MS	3112a
lithium	100.0	±	0.5	µg/mL	ICP / ICP-MS	3129a
nickel	20.00	±	0.10	µg/mL	ICP / ICP-MS	3136
potassium	400.0	±	2.0	µg/mL	ICP / ICP-MS	3141a
sodium	200.0	±	1.0	µg/mL	ICP / ICP-MS	3152a
strontium	10.00	±	0.05	µg/mL	ICP / ICP-MS	3153a

Matrix: 2% nitric acid in low TOC water (< 50 ppb)

ULTRA uses purified acids, 18 megohm 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.



ISO 9001 Registered Quality System – TUV USA


William J. Leary
Quality Assurance Manager