



Certificate of Analysis

EPA Method 200.7 Calibration Standard #4

Catalog Number: ICM-205

Lot Number: J00574A

Job Number: J00008420

Lot Issue Date: 06/24/2011

Expiration Date: 07/31/2015

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within $\pm 5.0\%$, when 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	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3101a
calcium	1001	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3109a
chromium	500.7	$\pm$	2.5	$\mu\text{g/mL}$	ICP / ICP-MS	3112a
magnesium	1001	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3131a
nickel	500.9	$\pm$	2.5	$\mu\text{g/mL}$	ICP / ICP-MS	3136
potassium	1001	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3141a
* silver	500.5	$\pm$	2.5	$\mu\text{g/mL}$	ICP / ICP-MS	3151
sodium	1001	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3152a
zinc	500.8	$\pm$	2.5	$\mu\text{g/mL}$	ICP / ICP-MS	3168a

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

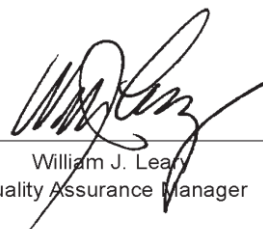
* light sensitive

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & 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 17025:2005
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