

Certificate of Analysis

EPA Method 200.7
Interference Check Standard #1

Catalog Number: ICM-221
Lot Number: R01207
Job Number: J00017258
Lot Issue Date: 11/18/2013
Expiration Date: 12/31/2017

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	NIST
					Method	SRM
boron	500.0	$\pm$	2.5	$\mu\text{g/mL}$	ICP / ICP-MS	3107
molybdenum	300.0	$\pm$	1.5	$\mu\text{g/mL}$	ICP / ICP-MS	3134
silicon	230.0	$\pm$	1.2	$\mu\text{g/mL}$	ICP / ICP-MS	3150
titanium	1000	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3162a

Matrix: trace hydrofluoric acid in low TOC water (< 50 ppb)

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
Accredited
A2LA
Cert. No. 0851.01

ISO 9001:2000
Registered
TUV USA, Inc.
Cert. No. 06-1004



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