

Certificate of Analysis

Inorganic Quality Control Standard #1

Catalog Number: IQC-007

Lot Number: R00708

Lot Issue Date: 07/17/2013

Expiration Date: 08/31/2017

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 Method	NIST SRM
aluminum	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3101a
barium	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3104a
boron	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3107
potassium	1001	$\pm$	5	$\mu\text{g/mL}$	ICP / ICP-MS	3141a
silicon	50.00	$\pm$	0.25	$\mu\text{g/mL}$	ICP / ICP-MS	3150
* silver	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3151
sodium	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3152a

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

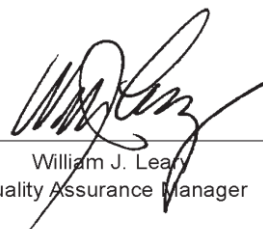
* light sensitive

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
Accredited
A2LA
Cert. No. 0851.01

ISO 9001:2000
Registered
TUV USA, Inc.
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