



Certificate of Analysis

EPA Method 200.8
Internal Standard Solution

Catalog Number: ICM-810
Lot Number: M00813
Job Number: J00013466
Lot Issue Date: 08/02/2011
Expiration Date: 09/30/2015

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 $\pm 2.5\%$, 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
scandium	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3148a
yttrium	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3167a
indium	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3124a
terbium	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3157a
bismuth	100.0	$\pm$	0.5	$\mu\text{g/mL}$	ICP / ICP-MS	3106

Matrix: 2% nitric 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.
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