



Certificate of Analysis

EPA Method 6020A
Internal Standard Solution

Catalog Number: ICM-637
Lot Number: P00808
Job Number: J00015071
Lot Issue Date: 08/13/2012
Expiration Date: 09/30/2016

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 Method	NIST SRM
bismuth	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3106
germanium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3120a
holmium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3123a
indium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3124a
lithium (VI)	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3129a
rhodium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3144
scandium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3148a
terbium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3157a
yttrium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3167a

Matrix: 5% 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.
Cert. No. 06-1004


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