



Certificate of Analysis

ICP/MS Internal Standard
Bismuth Standard at 100 µg/mL

Catalog Number: IMS-111
Lot Number: H00148A
Job Number: J00006662
Lot Issue Date: 03/27/2009
Expiration Date: 05/31/2016

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001:2000 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below

Analyte	True Value	Analytical Method	NIST SRM
bismuth	100.0 ± 0.5 µg/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 9001 Registered Quality System – TUV USA


William J. Leary
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