

Certificate of Analysis

ULTRAgrade™ Ion Chromatography Solution: 1000 µg/mL Barium (Ba^{+2})

Catalog Number: ICC-102

Lot Number: E00032Z

Job Number: J00003536

Lot Issue Date: 07/08/2008

Expiration Date: 08/31/2015

Starting Material: Barium Nitrate

Starting Material Purity: 99.999%

Starting Material Lot No.: NT04513

Matrix: trace (0.2%) nitric acid in low TOC water (< 50 ppb)

Certified Value: 1000 ± 2 µg/mL

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 certified value and uncertainty value, at the 95% confidence level, for each analyte determined gravimetrically.

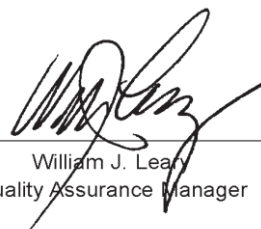
Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3104a

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


William J. Leary
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