

Certificate of Analysis

ULTRAgrade™ Ion Chromatography Solution: 1000 µg/mL Strontium (Sr⁺²)
Catalog Number: ICC-108
Lot Number: R00153
Job Number: J00015919
Lot Issue Date: 02/21/2013
Expiration Date: 03/31/2020

Starting Material: strontium nitrate
Starting Material Purity: 99.999%
Starting Material Lot No.: BH02276
Matrix: trace (0.2%) nitric acid in low TOC water (< 50 ppb)

Certified Value: 1001 ± 2 µg/mL

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory and 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.

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3153a

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.