

Certificate of Analysis

Custom Standard**Catalog Number: ICUS-7990****Lot Number: CS-2976****Lot Issue Date: 05/25/2018****Expiration Date: 06/30/2025**

This Reference Material (RM) 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.

| Analyte | True Value | Analytical Method | NIST SRM |
|---------|----------------|-------------------|----------|
| calcium | 1000 ± 5 ug/mL | IC | 3109 |

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

ULTRA uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and 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/NC SL Z-540-1 and ISO 9001.


John Russo
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ISO 9001 Registered Quality System