

# Certificate of Analysis

**Custom Standard****Catalog Number: ICUS-3299****Lot Number: CM-3595****Lot Issue Date: 07/06/2015****Expiration Date: 08/31/2017**

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. 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   | 10008      | ± | 50 | µg/mL             | ICP / ICP-MS | 3109a    |
| lithium   | 10005      | ± | 50 | µg/mL             | ICP / ICP-MS | 3129a    |
| magnesium | 10011      | ± | 50 | µg/mL             | ICP / ICP-MS | 3131a    |
| potassium | 10010      | ± | 50 | µg/mL             | ICP / ICP-MS | 3141a    |
| sodium    | 10011      | ± | 50 | µg/mL             | ICP / ICP-MS | 3152a    |

**Matrix:** 5% nitric acid in low TOC water (< 50 ppb)

ULTRA uses purified acids, 18 megohm-cm double deionized water, calibrated Class A glassware, and meticulously cleaned bottles in the manufacturing of ULTRA grade 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.