



**EPA Method 200.7  
Mixed Calibration Standard 2**

**Catalog Number: ICM-232  
Lot Number: R01142  
Job Number: J00017169  
Lot Issue Date: 10/29/2013  
Expiration Date: 11/30/2017**

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, 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 |
|------------|------------|---|------------|-------------------|----------|
| lithium    | 50.00      | ± | 0.25 µg/mL | ICP / ICP-MS      | 3129a    |
| molybdenum | 100.0      | ± | 0.5 µg/mL  | ICP / ICP-MS      | 3134     |
| potassium  | 200.0      | ± | 1.0 µg/mL  | ICP / ICP-MS      | 3141a    |
| sodium     | 100.0      | ± | 0.5 µg/mL  | ICP / ICP-MS      | 3152a    |
| strontium  | 10.00      | ± | 0.05 µg/mL | ICP / ICP-MS      | 3153a    |

**Matrix:** 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/NCSL Z-540-1 and ISO 9001.