



# Certificate of Analysis

**EPA Method 200.8**  
**Standard Solution A**

**Catalog Number: ICM-801**  
**Lot Number: CM-0825**  
**Lot Issue Date: 03/25/2015**  
**Expiration Date: 03/31/2019**

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      |
|------------|------------|---|-----|-------|-------------------|---------------|
| aluminum   | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3101a         |
| antimony   | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3102a         |
| arsenic    | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3103a         |
| beryllium  | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3105a         |
| cadmium    | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3108          |
| chromium   | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3112a         |
| cobalt     | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3113          |
| copper     | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3114          |
| lead       | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3128          |
| manganese  | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3132          |
| molybdenum | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3134          |
| nickel     | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3136          |
| selenium   | 50.1       | ± | 0.3 | µg/mL | ICP / ICP-MS      | 3149          |
| thallium   | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3158          |
| thorium    | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3159          |
| uranium    | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | Second Source |
| * vanadium | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3165          |
| zinc       | 10.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3168a         |

**Matrix:** 2% nitric acid, trace hydrofluoric acid, trace tartaric acid in low TOC water (< 50 ppb)

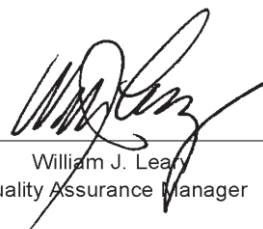
\* *light sensitive*

ULTRA uses purified acids, 18 megaohm 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.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851.01

ISO 9001:2000  
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TUV USA, Inc.  
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