



# Certificate of Analysis

**EPA Method 200.7**

**Calibration Solution Standard #2**

**Catalog Number: ICM-203**

**Lot Number: T00080**

**Job Number: J00017609**

**Lot Issue Date: 01/20/2014**

**Expiration Date: 02/28/2018**

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 |
|------------|------------|---|-----|-------|-------------------|----------|
| barium     | 100.0      | ± | 0.5 | µg/mL | ICP / ICP-MS      | 3104a    |
| beryllium  | 100.0      | ± | 0.5 | µg/mL | ICP / ICP-MS      | 3105a    |
| cobalt     | 200.0      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3113     |
| copper     | 100.0      | ± | 0.5 | µg/mL | ICP / ICP-MS      | 3114     |
| iron       | 1001       | ± | 5   | µg/mL | ICP / ICP-MS      | 3126a    |
| manganese  | 100.0      | ± | 0.5 | µg/mL | ICP / ICP-MS      | 3132     |
| * vanadium | 100.0      | ± | 0.5 | µg/mL | ICP / ICP-MS      | 3165     |

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

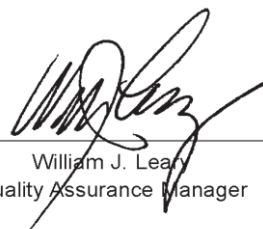
\* light sensitive

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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