



# Certificate of Analysis

EPA Method 200.7  
LPC Solution C (concentrated)

Catalog Number: ICM-240C  
Lot Number: CS-1359  
Lot Issue Date: 03/21/2018  
Expiration Date: 04/30/2019

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 |
|------------|------------|---|-----|-------|-------------------|----------|
| aluminum   | 200.1      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3101     |
| arsenic    | 200.2      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3103     |
| barium     | 200.1      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3104     |
| beryllium  | 200.4      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3105     |
| boron      | 200.7      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3107     |
| cadmium    | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3108     |
| calcium    | 200.2      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3109     |
| chromium   | 200.1      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3112     |
| cobalt     | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3113     |
| copper     | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3114     |
| iron       | 200.7      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3126     |
| lead       | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3128     |
| lithium    | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3129     |
| magnesium  | 200.2      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3131     |
| manganese  | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3132     |
| nickel     | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3136     |
| phosphorus | 1002       | ± | 5.0 | µg/mL | ICP / ICP-MS      | 3139     |
| potassium  | 1001       | ± | 5.0 | µg/mL | ICP / ICP-MS      | 3141     |
| selenium   | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3149     |
| * silver   | 25.0       | ± | 0.1 | µg/mL | ICP / ICP-MS      | 3151     |
| sodium     | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3152     |
| strontium  | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3153     |
| thallium   | 200.2      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3158     |
| * vanadium | 200.2      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3165     |
| zinc       | 200.3      | ± | 1.0 | µg/mL | ICP / ICP-MS      | 3168     |

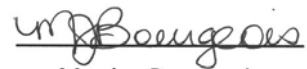
Matrix: 5% nitric acid with trace hydrofluoric acid in low TOC water (< 50 ppb)

\* light sensitive

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



  
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ISO 9001 Registered Quality System – TUV USA