



# Certificate of Analysis

## ISO Guide 34

**Custom Standard**

**Catalog Number: ICUS-1416-480ML**

**Lot Number: CS-4512**

**Lot Issue Date: 09/10/2018**

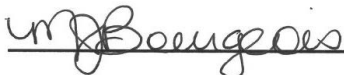
**Expiration Date: 10/31/2019**

This Reference Material (RM) was manufactured and verified in accordance with Agilent'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 |
|------------|------------|---|------------|-------------------|----------|
| phosphorus | 4.01       | ± | 0.02 µg/mL | ICP / ICP-MS      | 3139a    |
| zinc       | 100.2      | ± | 0.5 µg/mL  | ICP / ICP-MS      | 3168a    |

**Matrix:** 0.03% hydrochloric acid, trace nitric acid in low TOC water (< 50 ppb)

Agilent 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.

  
Monica Bourgeois  
QMS Representative



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