# Certificate of Analysis

**EPA Method 200.7**

**Calibration Solution Standard #1B**

**Catalog Number: ICM-202**

**Lot Number: 0006536583**

**Lot Issue Date: 05/04/2020**

**Expiration Date: 06/30/2023**

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 17034 / 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 |
|---|---|---|---|---|---|---|
| arsenic | 1002 | ± | 5 | µg/mL | ICP / ICP-OES | 3103a |
| cadmium | 500.9 | ± | 2.5 | µg/mL | ICP / ICP-OES | 3108 |
| lead | 1001 | ± | 5 | µg/mL | ICP / ICP-OES | 3128 |
| selenium | 500.1 | ± | 2.5 | µg/mL | ICP / ICP-OES | 3149 |
| thallium | 1000 | ± | 5 | µg/mL | ICP / ICP-OES | 3158 |

**Matrix:** 5% 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 these 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

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert No. AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026 registered ISO 9001 Quality Management System

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 17025 Cert No. AT-1937