# Certificate of Analysis

**EPA Method 200.7 Spiking Standard #5**

**Catalog Number: ICM-215**
**Lot Number: 0006545423**
**Lot Issue Date: 06/24/2020**
**Expiration Date: 06/30/2022**

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 | 800.7 ± 4.0 | µg/mL | ICP / ICP-OES | 3103a |
| cadmium | 100.2 ± 0.5 | µg/mL | ICP / ICP-OES | 3108 |
| lead | 1002 ± 5 | µg/mL | ICP / ICP-OES | 3128 |
| selenium | 1001 ± 5 | µg/mL | ICP / ICP-OES | 3149 |
| thallium | 1001 ± 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

ISO 17034 Cert No.
AR-1936

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

ISO 17025 Cert No.
AT-1937