

Certificate of Analysis

EPA Method 200.7

Calibration Solution Standard #1B

Catalog Number: ICM-202

Lot Number: CP-2601

Lot Issue Date: 05/27/2016

Expiration Date: 06/30/2019

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
arsenic	1001	±	5 µg/mL	ICP / ICP-MS	3103a
cadmium	500.8	±	2.5 µg/mL	ICP / ICP-MS	3108
lead	1002	±	5 µg/mL	ICP / ICP-MS	3128
selenium	500.3	±	2.5 µg/mL	ICP / ICP-MS	3149
thallium	1001	±	5 µg/mL	ICP / ICP-MS	3158

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

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/NCCL Z-540-1 and ISO 9001.