

Certificate of Analysis

EPA Method 6010A**Mixed Standard Solution I****Catalog Number: ICM-601****Lot Number: CP-1893****Lot Issue Date: 04/22/2016****Expiration Date: 05/31/2020**

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
beryllium	50.1	±	0.3	µg/mL	ICP / ICP-MS	3105a
cadmium	150.2	±	0.8	µg/mL	ICP / ICP-MS	3108
lead	500.8	±	2.5	µg/mL	ICP / ICP-MS	3128
manganese	100.0	±	0.5	µg/mL	ICP / ICP-MS	3132
selenium	200.1	±	1.0	µg/mL	ICP / ICP-MS	3149
zinc	150.2	±	0.8	µg/mL	ICP / ICP-MS	3168a

Matrix: 2% 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/NCSL Z-540-1 and ISO 9001.