

Certificate of Analysis

Mixed Standard Solution II
EPA Method 6010A

Catalog Number: ICM-602
Lot Number: CM-3432
Lot Issue Date: 06/25/2015
Expiration Date: 07/31/2019

This Certified Reference Material (CRM) 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
barium	100.1	±	0.5	µg/mL	ICP / ICP-MS	3104a
cobalt	100.1	±	0.5	µg/mL	ICP / ICP-MS	3113
copper	100.1	±	0.5	µg/mL	ICP / ICP-MS	3114
iron	10013	±	50	µg/mL	ICP / ICP-MS	3126a
* vanadium	100.2	±	0.5	µg/mL	ICP / ICP-MS	3165

Matrix: 2% nitric acid, with trace HF, in low TOC water (< 50 ppb)

** light sensitive*

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.