

Certificate of Analysis

EPA Method 6010A

Mixed Standard Solution V

Catalog Number: ICM-605

Lot Number: T00611

Job Number: J00018315

Lot Issue Date: 05/27/2014

Expiration Date: 06/30/2018

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
antimony	200.0	±	1.0	µg/mL	ICP / ICP-MS	3102a
magnesium	1000	±	5	µg/mL	ICP / ICP-MS	3131a
* silver	50.00	±	0.25	µg/mL	ICP / ICP-MS	3151
thallium	200.0	±	1.0	µg/mL	ICP / ICP-MS	3158

Matrix: 2% nitric acid, trace tartaric acid 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.