

Certificate of Analysis

EPA Method 200.7 SIC Solution II

Catalog Number: ICM-242

Lot Number: H00047Z

Lot Issue Date: 04/09/2014

Expiration Date: 05/31/2017

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
chromium	20.00	±	0.10 µg/mL	ICP / ICP-MS		3112a
cobalt	10.00	±	0.05 µg/mL	ICP / ICP-MS		3113
copper	40.00	±	0.20 µg/mL	ICP / ICP-MS		3114
manganese	20.00	±	0.10 µg/mL	ICP / ICP-MS		3132
*vanadium	20.00	±	0.10 µg/mL	ICP / ICP-MS		3165

Matrix: 2% nitric 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 ULTRAgrade 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.



ISO 9001 Registered Quality System – TUV USA


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