

Certificate of Analysis

EPA Method 200.7**LPC Solution B****Catalog Number: ICM-240B****Lot Number: CL-5127****Lot Issue Date: 12/12/2014****Expiration Date: 01/31/2016**

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
molybdenum	200.3	±	1.0	µg/mL	ICP / ICP-MS	3134
silicon	1002	±	5	µg/mL	ICP / ICP-MS	3150
tin	200.5	±	1.0	µg/mL	ICP / ICP-MS	3161a
titanium	200.2	±	1.0	µg/mL	ICP / ICP-MS	3162a

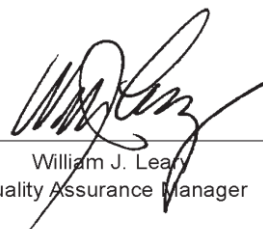
Matrix: 5% nitric acid, trace hydrofluoric acid, trace tartaric acid in low TOC water (< 50 ppb)

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.



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William J. Leary
Quality Assurance Manager