



Certificate of Analysis

EPA Method 6020A
Interference Check Standard B

Catalog Number: ICM-636
Lot Number: P00320
Job Number: J00014461
Lot Issue Date: 03/28/2012
Expiration Date: 04/30/2016

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within $\pm 5.0\%$, when 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
* silver	5.000	$\pm$	0.025	$\mu\text{g/mL}$	ICP / ICP-MS	3151
arsenic	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3103a
cadmium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3108
cobalt	20.00	$\pm$	0.10	$\mu\text{g/mL}$	ICP / ICP-MS	3113
chromium	20.00	$\pm$	0.10	$\mu\text{g/mL}$	ICP / ICP-MS	3112a
copper	20.00	$\pm$	0.10	$\mu\text{g/mL}$	ICP / ICP-MS	3114
manganese	20.00	$\pm$	0.10	$\mu\text{g/mL}$	ICP / ICP-MS	3132
nickel	20.00	$\pm$	0.10	$\mu\text{g/mL}$	ICP / ICP-MS	3136
selenium	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3149
* vanadium	20.00	$\pm$	0.10	$\mu\text{g/mL}$	ICP / ICP-MS	3165
zinc	10.00	$\pm$	0.05	$\mu\text{g/mL}$	ICP / ICP-MS	3168a

Matrix: 2% nitric acid in low TOC water (< 50 ppb)

* light sensitive

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & 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



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William J. Leary
Quality Assurance Manager