

Certificate of Analysis

EPA Method 6020A
Interference Check Standard A

Catalog Number: ICM-635
Lot Number: T00479
Job Number: J00018130
Lot Issue Date: 04/24/2014
Expiration Date: 05/31/2016

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	
aluminum	1002	±	5	µg/mL	ICP / ICP-MS	3101a
carbon	2003	±	10	µg/mL	gravimetric	ANSI/NCSL Z-540-1
calcium	3004	±	15	µg/mL	ICP / ICP-MS	3109a
chloride	21248	±	106	µg/mL	IC	3182
iron	2503	±	13	µg/mL	ICP / ICP-MS	3126a
potassium	1001	±	5	µg/mL	ICP / ICP-MS	3141a
magnesium	1001	±	5	µg/mL	ICP / ICP-MS	3131a
molybdenum	20.00	±	0.10	µg/mL	ICP / ICP-MS	3134
sodium	2501	±	13	µg/mL	ICP / ICP-MS	3152a
phosphorus	1001	±	5	µg/mL	ICP / ICP-MS	3139a
sulfur	1001	±	5	µg/mL	ICP / ICP-MS	3154
titanium	20.00	±	0.10	µg/mL	ICP / ICP-MS	3162a

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

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.



ISO 17025:2005
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ISO 9001:2000
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