

Certificate of Analysis

Custom Standard

Catalog Number: ICUS-4479

Lot Number: CP-5384

Lot Issue Date: 10/26/2016

Expiration Date: 05/31/2017

This Reference Material (RM) 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.

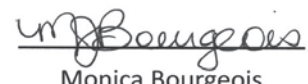
Analyte	True Value			Analytical Method	NIST SRM	
chloride	1001	±	5.0	µg/mL	IC	3182
fluoride	1002	±	5.0	µg/mL	IC	second source
nitrate	1001	±	5.0	µg/mL	IC	3185
sulfate	1002	±	5.0	µg/mL	IC	3181
phosphate	1002	±	5.0	µg/mL	IC	3186
bromide	1002	±	5.0	µg/mL	IC	3184
nitrite	1000	±	5.0	µg/mL	IC	second source

Matrix: 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.



John Russo
President



Monica Bourgeois
Director of QA/RA