

Certificate of Analysis

IC Anions Mixture #1

Catalog Number: ICC-200

Lot Number: CP-3940

Lot Issue Date: 08/10/2016

Expiration Date: 09/30/2020

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	30.0	±	0.2	µg/mL	IC	3182
fluoride	20.0	±	0.1	µg/mL	IC	second source
nitrate	100.1	±	0.5	µg/mL	IC	3185
phosphate	150.3	±	0.8	µg/mL	IC	3186
sulfate	150.2	±	0.8	µg/mL	IC	3181

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 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.