

Certificate of Analysis

IC Anions Mixture #2

Catalog Number: ICC-210

Lot Number: CP-0532

Lot Issue Date: 02/09/2016

Expiration Date: 03/31/2019

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	
bromide	400.6	±	2.0	µg/mL	IC	3184
chloride	200.1	±	1.0	µg/mL	IC	3182
fluoride	100.1	±	0.5	µg/mL	IC	3183
nitrate	400.3	±	2.0	µg/mL	IC	3185
phosphate	600.2	±	3.0	µg/mL	IC	3186
sulfate	400.3	±	2.0	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 ULTRAggrade 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.