

# Certificate of Analysis

**IC Cations Mixture**

**Catalog Number: ICC-330**

**Lot Number: T00663**

**Job Number: J00018350**

**Lot Issue Date: 06/03/2014**

**Expiration Date: 07/31/2018**

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
ammonium	100.0	±	0.5 µg/mL	IC	second source CRM
barium	99.95	±	0.50 µg/mL	IC	3104a
calcium	99.76	±	0.50 µg/mL	IC	3109a
lithium	99.99	±	0.50 µg/mL	IC	3129a
magnesium	100.1	±	0.5 µg/mL	IC	3131a
manganese	100.1	±	0.5 µg/mL	IC	3132
potassium	100.1	±	0.5 µg/mL	IC	3141a
sodium	100.2	±	0.5 µg/mL	IC	3152a
strontium	100.1	±	0.5 µg/mL	IC	3153a

Matrix: 0.2% nitric acid in 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.



ISO 17025:2005  
Accredited  
A2LA  
Cert. No. 0851.01

ISO 9001:2000  
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TUV USA, Inc.  
Cert. No. 06-1004



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