

Certificate of Analysis

IC Cations standard

Catalog Number: ICC-330

Lot Number: 0006487510

Lot Issue Date: 09/09/2019

Expiration Date: 10/31/2023

This Certified Reference Material (CRM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO 17034 / 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	100.1	±	0.5	µg/mL	IC	3104a
calcium	100.1	±	0.5	µg/mL	IC	3109a
lithium	100.1	±	0.5	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	100.1	±	0.5	µg/mL	IC	3152a
strontium	100.2	±	0.5	µg/mL	IC	3153a

Matrix: 0.2% nitric acid in low TOC water (< 50 ppb)

Agilent uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and meticulously cleaned bottles in the manufacturing of this standard. 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.