



Certificate of Analysis

Custom Standard

Catalog Number: ICUS-5464

Lot Number: CP-5368

Lot Issue Date: 10/25/2016

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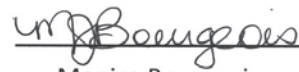
This Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST 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
sodium	100.2	± 0.5	µg/mL	ICP / ICP-MS	3152a
potassium	100.2	± 0.5	µg/mL	ICP / ICP-MS	3141a
phosphorus	100.2	± 0.5	µg/mL	ICP / ICP-MS	3139a
calcium	100.2	± 0.5	µg/mL	ICP / ICP-MS	3109a

Matrix: 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 ULTRA grade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001.


John Russo
President


Monica Bourgeois
Director of QA/RA



ISO 9001 Registered Quality System – TUV USA