



Certificate of Analysis

Custom Standard

Catalog Number: ICUS-1414-480ML

Lot Number: CP-5202

Lot Issue Date: 10/17/2016

Expiration Date: 11/30/2017

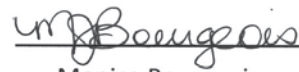
This Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST 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
phosphorus	1.00	±	0.01	µg/mL	ICP / ICP-MS	3139a
zinc	25.0	±	0.1	µg/mL	ICP / ICP-MS	3168a

Matrix: 0.03% hydrochloric acid, trace 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.


John Russo
President


Monica Bourgeois
Director of QA/RA



ISO 9001 Registered Quality System – TUV USA