

## Certificate of Analysis

CLP ICP Interference Check Standard #1

Catalog Number: ICM-441

Lot Number: T00060

Lot Issue Date: 01/15/2014

Expiration Date: 02/28/2018

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
aluminum	5005 ± 25 µg/mL	ICP / ICP-MS	3101a
calcium	5000 ± 25 µg/mL	ICP / ICP-MS	3109a
iron	2002 ± 10 µg/mL	ICP / ICP-MS	3126a
magnesium	5003 ± 25 µg/mL	ICP / ICP-MS	3131a

**Matrix:** 5% 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  
Registered  
TUV USA, Inc.  
Cert. No. 06-1004

  
William J. Leary  
Quality Assurance Manager