



ULTRAgrade™ Ion Chromatography Solution: 1000 µg/mL Cyanide in dilute sodium hydroxide

Catalog Number: ICC-008

Lot Number: T00593

Job Number: J00018272

Lot Issue Date: 05/21/2014

Expiration Date: 06/30/2015

Starting Material:	potassium cyanide (<i>light sensitive</i>)
Starting Material Purity:	99%
Starting Material Lot #:	BH02408
Matrix:	0.5 % sodium hydroxide in low TOC water (<50 ppb)

Certified Value: 1001 ± 2 µg/mL

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were prepared and verified by our ISO 17025 accredited laboratory to be within ± 2.5 %, when 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.

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3141a

Confirmation by a Cyanide Analyzer (CN⁻ A) vs. independent CRM

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & 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.