



ULTRAgrade™ Ion Chromatography Solution: 1000 µg/mL Cyanide (*light sensitive*)

Catalog Number: ICC-009

Lot Number: T00210

Job Number: J00017784

Lot Issue Date: 02/25/2014

Expiration Date: 03/31/2016

Starting Material: potassium ferricyanide (*light sensitive*)

Starting Material Purity: 99.6%

Starting Material Lot #: BH02343

Matrix: trace 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 a Cyanide Analyzer (CNA) vs. second source (CRM)

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3126a

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.