

# Certificate of Analysis

**ICP-MS Tuning Solution**  
**Low Concentration**

**Catalog Number: CICM-697**  
**Lot Number: CT-1394**  
**Lot Issue Date: 04/12/2019**  
**Expiration Date: 04/30/2021**

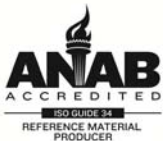
This Certified Reference Material (CRM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared 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
lithium	10.0	± 0.1	µg/L	ICP / ICP-MS	3129a
yttrium	10.0	± 0.1	µg/L	ICP / ICP-MS	3167a
cerium	10.0	± 0.1	µg/L	ICP / ICP-MS	3110
thallium	10.0	± 0.1	µg/L	ICP / ICP-MS	3158
cobalt	10.0	± 0.1	µg/L	ICP / ICP-MS	3113

**Matrix:** 2% nitric acid in low TOC water (< 50 ppb)

Agilent uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and meticulously cleaned bottles in the manufacturing of these 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.

  
Monica Bourgeois  
QMS Representative



ISO Guide 34 Cert No.  
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026  
registered ISO 9001 Quality Management System



ISO17025 Cert No.  
AT-1937