



Certificate of Analysis

ICP-MS Tuning Solution

Low Concentration

Catalog Number: CICM-699

Lot Number: CS-6143

Lot Issue Date: 12/19/2018

Expiration Date: 01/31/2021

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	1.00	±	0.01	µg/L	ICP / ICP-MS	3129a
yttrium	1.00	±	0.01	µg/L	ICP / ICP-MS	3167a
cerium	1.00	±	0.01	µg/L	ICP / ICP-MS	3110
thallium	1.00	±	0.01	µg/L	ICP / ICP-MS	3158
cobalt	1.00	±	0.01	µg/L	ICP / ICP-MS	3113
magnesium	1.00	±	0.01	µg/L	ICP / ICP-MS	3131a

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

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

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