



Certificate of Analysis ISO Guide 34

ICP Calibration Standard

Catalog Number: ICM-100

Lot Number: CS-3959

Lot Issue Date: 08/03/2018

Expiration Date: 08/31/2022

This Reference Material (RM) 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	
barium	1001	±	5	µg/mL	ICP-MS / ICP-OES	3104
calcium	1002	±	5	µg/mL	ICP-MS / ICP-OES	3109
magnesium	1002	±	5	µg/mL	ICP-MS / ICP-OES	3131
strontium	1001	±	5	µg/mL	ICP-MS / ICP-OES	3153

Matrix: 5% 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 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.

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