

Certificate of Analysis

ICP Calibration Standard

Catalog Number: ICM-109

Lot Number: 0006548413

Lot Issue Date: 07/20/2020

Expiration Date: 08/31/2022

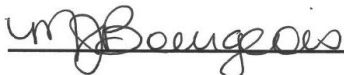
This Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO 17034 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using NIST 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
cadmium	10.0	±	0.1	µg/mL	ICP / ICP-MS	3108
chromium	900.6	±	4.5	µg/mL	ICP / ICP-MS	3112a
copper	800.2	±	4.0	µg/mL	ICP / ICP-MS	3114
lead	901.3	±	4.5	µg/mL	ICP / ICP-MS	3128
nickel	200.2	±	1.0	µg/mL	ICP / ICP-MS	3136
* mercury	8.01	±	0.04	µg/mL	ICP / ICP-MS	3133
zinc	2504	±	13	µg/mL	ICP / ICP-MS	3168a

Matrix: 5% nitric acid in low TOC water (< 50 ppb)

* *light sensitive*

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 17034 Cert No.
AR-1936

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



ISO 17025 Cert No.
AT-1937