



Certificate of Analysis

**CLP ICP Interference Check Standard
for ILM 4.0**

Catalog Number: ICM-443

Lot Number: 0006535365

Lot Issue Date: 04/29/2020

Expiration Date: 05/31/2024

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
antimony	60.0	±	0.3	µg/mL	ICP / ICP-OES	3102a
arsenic	10.0	±	0.1	µg/mL	ICP / ICP-OES	3103a
barium	50.1	±	0.3	µg/mL	ICP / ICP-OES	3104a
beryllium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3105a
cadmium	100.2	±	0.5	µg/mL	ICP / ICP-OES	3108
chromium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3112a
cobalt	50.1	±	0.3	µg/mL	ICP / ICP-OES	3113
copper	50.1	±	0.3	µg/mL	ICP / ICP-MS	3114
lead	5.00	±	0.03	µg/mL	ICP / ICP-OES	3128
manganese	50.1	±	0.3	µg/mL	ICP / ICP-OES	3132
nickel	100.1	±	0.5	µg/mL	ICP / ICP-OES	3136
selenium	5.00	±	0.03	µg/mL	ICP / ICP-OES	3149
* silver	20.0	±	0.1	µg/mL	ICP / ICP-OES	3151
thallium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3158
* vanadium	50.1	±	0.3	µg/mL	ICP / ICP-OES	3165
zinc	100.1	±	0.5	µg/mL	ICP / ICP-OES	3168a

Matrix: 2% nitric acid, trace hydrofluoric acid, trace tartaric 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