Certificate of Analysis

CLP ICP Graphite Furnace Standard #4

Catalog Number: ICM-464
Lot Number: 0006541904
Lot Issue Date: 06/11/2020
Expiration Date: 07/31/2024

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	120.0	±	0.6	µg/mL	ICP / ICP-OES	3102a
arsenic	20.0	±	0.1	µg/mL	ICP / ICP-OES	3103a
cadmium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3108
lead	20.0	±	0.1	µg/mL	ICP / ICP-OES	3128
selenium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3149
thallium	20.0	±	0.1	µg/mL	ICP / ICP-OES	3158

Matrix: 5% nitric acid with trace tartaric 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 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