Certificate of Analysis
ISO 17034

CLP Graphite Furnace AA Standard #2

Catalog Number: ICM-462
Lot Number: 0006509912
Lot Issue Date: 12/27/2019
Expiration Date: 01/31/2024

This Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 5.0%, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method	NIST SRM
antimony	50.0	±	0.3	µg/mL	ICP / ICP-OES	3102a
arsenic	25.0	±	0.1	µg/mL	ICP / ICP-OES	3103a
cadmium	5.01	±	0.03	µg/mL	ICP / ICP-OES	3108
lead	25.0	±	0.1	µg/mL	ICP / ICP-OES	3128
selenium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3149
thallium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3158

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

Agilent uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & 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

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

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

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937