Certificate of Analysis

EPA Method 200.7 Mixed Calibration Std #1

Catalog Number: ICM-231
Lot Number: 0006512176
Lot Issue Date: 01/08/2020
Expiration Date: 02/28/2023

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. 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	50.0	±	0.3	µg/mL	ICP / ICP-OES	3102a
arsenic	100.0	±	0.5	µg/mL	ICP / ICP-OES	3103a
barium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3104a
boron	20.0	±	0.1	µg/mL	ICP / ICP-OES	3107
cadmium	20.0	±	0.1	µg/mL	ICP / ICP-OES	3108
calcium	100.1	±	0.5	µg/mL	ICP / ICP-OES	3109a
copper	20.0	±	0.1	µg/mL	ICP / ICP-OES	3114
manganese	20.0	±	0.1	µg/mL	ICP / ICP-OES	3132
selenium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3149
* silver	5.00	±	0.03	µg/mL	ICP / ICP-OES	3151

Matrix: 2% nitric acid, with 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 17025 Cert No.
AT-1937

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