Certificate of Analysis

EPA Method 200.7 Calibration Standard #4

Catalog Number: ICM-205
Lot Number: 0006533861
Lot Issue Date: 04/20/2020
Expiration Date: 05/31/2023

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, 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
aluminum	1001	±	5	µg/mL	ICP / ICP-OES	3101a
calcium	1001	±	5	µg/mL	ICP / ICP-OES	3109a
chromium	500.9	±	2.5	µg/mL	ICP / ICP-OES	3112a
magnesium	1001	±	5	µg/mL	ICP / ICP-OES	3131a
nickel	500.3	±	2.5	µg/mL	ICP / ICP-OES	3136
potassium	1001	±	5	µg/mL	ICP / ICP-OES	3141a
* silver	500.5	±	2.5	µg/mL	ICP / ICP-OES	3151
sodium	1002	±	5	µg/mL	ICP / ICP-OES	3152a
zinc	500.0	±	2.5	µg/mL	ICP / ICP-OES	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 thesse 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