Certificate of Analysis

Mixed Standard Solution IV

EPA Method 6010A

Catalog Number: ICM-604
Lot Number: 0006542115
Lot Issue Date: 06/22/2020
Expiration Date: 07/31/2023

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	200.2 ± 1.0 µg/mL	ICP / ICP-OES	3101a
calcium	1001 ± 5.0 µg/mL	ICP / ICP-OES	3109a
chromium	20.0 ± 0.1 µg/mL	ICP / ICP-OES	3112a
lithium	100.1 ± 0.5 µg/mL	ICP / ICP-OES	3129a
nickel	20.0 ± 0.1 µg/mL	ICP / ICP-OES	3136
potassium	400.2 ± 2.0 µg/mL	ICP / ICP-OES	3141a
sodium	200.4 ± 1.0 µg/mL	ICP / ICP-OES	3152a
strontium	10.0 ± 0.1 µg/mL	ICP / ICP-OES	3153a

Matrix: 2% nitric 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

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

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