Certificate of Analysis

EPA Method 6010A
Mixed Standard Solution I

Catalog Number: ICM-601
Lot Number: 0006470672
Lot Issue Date: 06/04/2019
Expiration Date: 07/31/2023

This Reference Material (RM) was manufactured and verified in accordance with Agilent's registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / 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
beryllium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3105a
cadmium	150.3	±	0.8	µg/mL	ICP / ICP-OES	3108
lead	500.5	±	2.5	µg/mL	ICP / ICP-OES	3128
manganese	100.1	±	0.5	µg/mL	ICP / ICP-OES	3132
selenium	200.2	±	1.0	µg/mL	ICP / ICP-OES	3149
zinc	150.1	±	0.8	µg/mL	ICP / ICP-OES	3168a

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.

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QMS Representative

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ISO Guide 34 Cert No.
AR-1936

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