



Certificate of Analysis

ISO Guide 34

EPA Method 200.8
Standard Solution A

Catalog Number: ICM-801
Lot Number: CS-5198
Lot Issue Date: 10/26/2018
Expiration Date: 11/30/2022

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 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
aluminum	10.0	±	0.1	µg/mL	ICP / ICP-MS	3101a
antimony	10.0	±	0.1	µg/mL	ICP / ICP-MS	3102a
arsenic	10.0	±	0.1	µg/mL	ICP / ICP-MS	3103a
beryllium	10.0	±	0.1	µg/mL	ICP / ICP-MS	3105a
cadmium	10.0	±	0.1	µg/mL	ICP / ICP-MS	3108
chromium	10.0	±	0.1	µg/mL	ICP / ICP-MS	3112a
cobalt	10.0	±	0.1	µg/mL	ICP / ICP-MS	3113
copper	10.0	±	0.1	µg/mL	ICP / ICP-MS	3114
lead	10.0	±	0.1	µg/mL	ICP / ICP-MS	3128
manganese	10.0	±	0.1	µg/mL	ICP / ICP-MS	3132
molybdenum	10.0	±	0.1	µg/mL	ICP / ICP-MS	3134
nickel	10.0	±	0.1	µg/mL	ICP / ICP-MS	3136
selenium	50.0	±	0.3	µg/mL	ICP / ICP-MS	3149
thallium	10.0	±	0.1	µg/mL	ICP / ICP-MS	3158
thorium	10.0	±	0.1	µg/mL	ICP / ICP-MS	second source
uranium	10.0	±	0.1	µg/mL	ICP / ICP-MS	second source
* vanadium	10.0	±	0.1	µg/mL	ICP / ICP-MS	3165
zinc	10.0	±	0.1	µg/mL	ICP / ICP-MS	3168a

Matrix: 2% nitric acid, trace hydrofluoric acid, 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 Guide 34 Cert No.
AR-1936

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



ISO17025 Cert No.
AT-1937