Certificate of Analysis

EPA Method 200.7 Lab Fortifying Stock Solution #1

Catalog Number: ICM-245A
Lot Number: 0006542118
Lot Issue Date: 06/16/2020
Expiration Date: 07/31/2022

This Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 5.0%, when 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	25.0	±	0.1	µg/mL	ICP / ICP-OES	3101a
antimony	25.0	±	0.1	µg/mL	ICP / ICP-OES	3102a
arsenic	25.0	±	0.1	µg/mL	ICP / ICP-OES	3103a
barium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3104a
beryllium	5.00	±	0.03	µg/mL	ICP / ICP-OES	3105a
boron	25.0	±	0.1	µg/mL	ICP / ICP-OES	3107
cadmium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3108
chromium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3112a
cobalt	10.0	±	0.1	µg/mL	ICP / ICP-OES	3113
copper	25.0	±	0.1	µg/mL	ICP / ICP-OES	3114
iron	25.0	±	0.1	µg/mL	ICP / ICP-OES	3126a
lead	25.0	±	0.1	µg/mL	ICP / ICP-OES	3128
lithium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3129a
manganese	25.0	±	0.1	µg/mL	ICP / ICP-OES	3132
molybdenum	10.0	±	0.1	µg/mL	ICP / ICP-OES	3134
nickel	25.0	±	0.1	µg/mL	ICP / ICP-OES	3136
phosphorus	50.0	±	0.3	µg/mL	ICP / ICP-OES	3139a
selenium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3149
silicon	25.0	±	0.1	µg/mL	ICP / ICP-OES	3150
* silver	2.50	±	0.01	µg/mL	ICP / ICP-OES	3151
strontium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3153a
thallium	25.0	±	0.1	µg/mL	ICP / ICP-OES	3158
tin	10.0	±	0.1	µg/mL	ICP / ICP-OES	3161a
* vanadium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3165
zinc	25.0	±	0.1	µg/mL	ICP / ICP-OES	3168a

Matrix: 2% nitric acid, trace hydrofluoric acid and trace tartaric acid in low TOC water (< 50 ppb)

** light sensitive*

Agilent uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & 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

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937