Certificate of Analysis

EM 200.7
Interference Check Standard no.3

Catalog Number: ICM-223
Lot Number: 0006541052
Lot Issue Date: 05/27/2020
Expiration Date: 05/31/2022

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 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	NIST
arsenic	1001	±	5.0	µg/mL	ICP / ICP-OES	3103a
barium	300.2	±	1.5	µg/mL	ICP / ICP-OES	3104a
beryllium	100.2	±	0.5	µg/mL	ICP / ICP-OES	3105a
cadmium	300.5	±	1.5	µg/mL	ICP / ICP-OES	3108
chromium	300.1	±	1.5	µg/mL	ICP / ICP-OES	3112a
cobalt	300.4	±	1.5	µg/mL	ICP / ICP-OES	3113
copper	300.4	±	1.5	µg/mL	ICP / ICP-OES	3114
lead	1001	±	5.0	µg/mL	ICP / ICP-OES	3128
manganese	200.3	±	1.0	µg/mL	ICP / ICP-OES	3132
nickel	300.5	±	1.5	µg/mL	ICP / ICP-OES	3136
potassium	20013	±	100	µg/mL	ICP / ICP-OES	3141a
selenium	500.5	±	2.5	µg/mL	ICP / ICP-OES	3149
* silver	300.3	±	1.5	µg/mL	ICP / ICP-OES	3151
thallium	1000	±	5.0	µg/mL	ICP / ICP-OES	3158
* vanadium	300.4	±	1.5	µg/mL	ICP / ICP-OES	3165
zinc	300.5	±	1.5	µg/mL	ICP / ICP-OES	3168a

Matrix: 2% nitric acid with trace hydrofluoric 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