



Certificate of Analysis ISO Guide 34

EPA Method 6020A
Interference Check Standard A

Catalog Number: ICM-635
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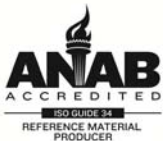
This Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory and compared to calibration standards independently prepared using NIST 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	1001	± 5	µg/mL	ICP/ ICP-OES	3101a
carbon	2003	± 10	µg/mL	gravimetric	ANSI/NCSL Z-540-1
calcium	3000	± 15	µg/mL	ICP/ ICP-OES	3109a
chloride	21229	± 106	µg/mL	IC	3182
iron	2501	± 13	µg/mL	ICP/ ICP-OES	3126a
potassium	1001	± 5	µg/mL	ICP/ ICP-OES	3141a
magnesium	1002	± 5	µg/mL	ICP/ ICP-OES	3131a
molybdenum	20.0	± 0.1	µg/mL	ICP/ ICP-OES	3134
sodium	2501	± 13	µg/mL	ICP/ ICP-OES	3152a
phosphorus	1000	± 5	µg/mL	ICP/ ICP-OES	3139a
sulfur	1000	± 5	µg/mL	ICP/ ICP-OES	3154
titanium	20.0	± 0.1	µg/mL	ICP/ ICP-OES	3162a

Matrix: 5% nitric acid with trace hydrofluoric acid in low TOC water (< 50 ppb)

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.


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