Certificate of Analysis
ISO Guide 34

CLP ICP Interference Check Standard #2

Catalog Number: ICM-442
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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
barium	50.0	±	0.3	µg/mL	ICP / ICP/OES	3104a
beryllium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3105a
cadmium	100.2	±	0.5	µg/mL	ICP / ICP-OES	3108
chromium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3112a
cobalt	50.1	±	0.3	µg/mL	ICP / ICP-OES	3113
copper	50.1	±	0.3	µg/mL	ICP / ICP-OES	3114
lead	100.1	±	0.5	µg/mL	ICP / ICP-OES	3128
manganese	50.0	±	0.3	µg/mL	ICP / ICP-OES	3132
nickel	100.2	±	0.5	µg/mL	ICP / ICP-OES	3136
* silver	100.1	±	0.5	µg/mL	ICP / ICP-OES	3151
* vanadium	50.0	±	0.3	µg/mL	ICP / ICP-OES	3165
zinc	100.2	±	0.5	µg/mL	ICP / ICP-OES	3168a

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

** light sensitive*

Agilent Technologies uses purified acids, 18 megaohm double deionized water, calibrated Class A glassware, and meticulously cleaned bottles in the manufacturing of these strandards. 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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ISO Guide 34 Cert No. AR-1936

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