Certificate of Analysis
ISO Guide 34

CLP ICP Spike Standard #3

Catalog Number: ICM-453
Lot Number: CS-6357
Lot Issue Date: 1/02/2019
Expiration Date: 1/31/2023

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
Arsenic	2000	±	10	µg/mL	ICP / ICP-OES	3103a
Cadmium	50.1	±	0.3	µg/mL	ICP / ICP-OES	3108
Lead	500.7	±	2.5	µg/mL	ICP / ICP-OES	3128
Selenium	2002	±	10.0	µg/mL	ICP / ICP-OES	3149
Thallium	2001	±	10.0	µg/mL	ICP / ICP-OES	3158

Matrix: 2% nitric acid in low TOC water (< 50 ppb)

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.

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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