

# Certificate of Analysis

**ICP/MS Verification Standard**

**Catalog Number: IMS-100**

**Lot Number: 0006486607**

**Lot Issue Date: 08/29/2019**

**Expiration Date: 09/30/2023**

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 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 Method	NIST SRM
beryllium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3105a
bismuth	10.0	±	0.1	µg/mL	ICP / ICP-OES	3106
cerium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3110
cobalt	10.0	±	0.1	µg/mL	ICP / ICP-OES	3113
indium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3124a
lead	10.0	±	0.1	µg/mL	ICP / ICP-OES	3128
magnesium	10.0	±	0.1	µg/mL	ICP / ICP-OES	3131a
nickel	10.0	±	0.1	µg/mL	ICP / ICP-OES	3136
uranium	10.0	±	0.1	µg/mL	ICP / ICP-OES	second source

Matrix: 2% nitric 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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ISO 17025 Cert No.  
AT-1937

Produced in accordance with TUV USA Inc 56 100 18560026  
registered ISO 9001 Quality Management System