

# Certificate of Analysis

**ICP/MS Calibration Standard #3**

**Catalog Number: IMS-103**

**Lot Number: 0006464679**

**Lot Issue Date: 05/16/2019**

**Expiration Date: 06/30/2020**

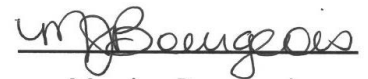
This Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system. The analyte concentration(s) were prepared and verified by an ISO Guide 34 / ISO 17025 accredited laboratory, and compared to calibration standards independently prepared using 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
antimony	10.0	±	0.1	µg/mL	ICP / ICP-OES 3102a
gold	10.0	±	0.1	µg/mL	ICP / ICP-OES 3121
hafnium	10.0	±	0.1	µg/mL	ICP / ICP-OES 3122
iridium	10.0	±	0.1	µg/mL	ICP / ICP-OES second source
* palladium	10.0	±	0.1	µg/mL	ICP / ICP-OES 3138
platinum	10.0	±	0.1	µg/mL	ICP / ICP-OES 3140
rhodium	10.0	±	0.1	µg/mL	ICP / ICP-OES 3144
ruthenium	10.0	±	0.1	µg/mL	ICP / ICP-OES second source
tellurium	10.0	±	0.1	µg/mL	ICP / ICP-OES 3156
tin	10.0	±	0.1	µg/mL	ICP / ICP-OES 3161a

Matrix: 10% hydrochloric acid with 2% nitric, trace hydrofluoric, and tartaric acids 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



ISO Guide 34 Cert No.  
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026  
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ISO17025 Cert No.  
AT-1937