

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**AND**

**ANSI/NCSL Z540-1-1994 (R2002)**

**Bowman Analytics, Inc.**

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**CALIBRATION**

Valid to: **November 21, 2026**

Certificate Number: **L2213**

**Length – Dimensional Metrology**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Coating Thickness Measuring Equipment and Coating Thickness Standards	(0.1 to 3 000) $\mu\text{in}$	3.5 % of reading	ASTM B568 (X-Ray)
	(100 to 2 000) $\mu\text{in}$	4.9 % of reading	ASTM E376 (Eddy Current)
	(100 to 60 000) $\mu\text{in}$	6.2 % of reading	ASTM B499 (Magnetic Induction)


**Mass and Mass Related**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Composition – NiP <sup>1</sup>	(1 to 99) wt%	0.62 % of reading	ASTM B568 (X-Ray)
Composition – Alloy <sup>1</sup>	(1 to 99) wt%	1.68 % of reading	

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. Weight percentage applied unless otherwise indicated.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2213.



Jason Stine, Vice President