SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017 AND ANSI/NCSL Z540-1-1994 (R2002)

Bowman Analytics, Inc.
1125 Remington Road
Schaumburg, IL 60173
Ron Wochinski
847-781-3523

CALIBRATION

Valid to: **November 21, 2022** 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) µin	3.5 % of reading	ASTM B568 (X-Ray)
	(100 to 2 000) µin	4.9 % for Eddy Current	ASTM E376 (Eddy Current)
	(100 to 60 000) µin	6.2 % for Magnetic Induction	ASTM B499 (Magnetic Induction)

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Composition – NiP^2	(1 to 99) wt%	0.62 %	ASTM B568 (X-Ray)
Composition – Alloy[2]	(1 to 99) wt%	1.68 %	

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.

R. Douglas Leonard Jr., VP, PILR SBU