

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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ANALYTICAL & PRECISION BALANCE CO., INC.

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Accredited to ISO/IEC 17025:2017

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CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
<i>Mechanical</i>			
Electronic and Mechanical Balances ³	Up to 105 g	0.024 mg	Calibration procedure QP-035 (direct method) by using Class 1 weights, Class F weights
	105 g to 210 g	0.049 mg	
	210 g to 600 g	0.59 mg	
	600 g to 1200 g	0.60 mg	
	1200 g to 5 kg	5.9 mg	
	5 kg to 25 kg	0.24 g	
	25 kg to 50 kg	0.34 g	
	50 kg to 70 kg	0.42 g	
	70 kg to 120 kg	0.58 g	
	120 kg to 160 kg	0.67g	
160 kg to 320 kg	0.94 g		
Platform Scales ³	Up to 5000 lb 5000 lb to 10000 lb	0.068 lb 0.076 lb	Calibration procedure QP-035 (direct method) by using Class F weights

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³Capability is suitable for the calibration of measuring devices in the stated ranges.

⁴Capability is suitable for the calibration of devices intended to generate the indicated quantity in the stated ranges.

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.