



SCOPE OF ACCREDITATION

IAS Accreditation Number	CL-104
Accredited Entity	Analytical & Precision Balance Co., Inc.
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Effective Date of Scope	January 18, 2019
Accreditation Standard	ISO/IEC 17025:2005

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)^{1,2}

CALIBRATION AREA	RANGE	EXPANDED UNCERTAINTY ³ (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
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<i>Mechanical</i>			
Electronic and Mechanical Balances	Up to 210 g	0.08 mg	Class 1 weights
	210 g to 1200 g	1.8 mg	Class 1 weights
	1200 g to 5 kg	18 mg	Class 1 weights
	5 kg to 50 kg	0.2 g	Class 1 weights
	50 kg to 70 kg	0.22 g	Class 2 weights
	70 kg to 120 kg	3 g	Class 4 weights
	120 kg to 320 kg	32 g	Class F weights
Platform Scales	Up to 10,000 lb	4.2 lb	Class F weights

¹The uncertainty covered by the Calibration and Measurement Uncertainty (CMC) is expressed as the expanded uncertainty having a specific coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than that provided in the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

²If 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.

³When 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.