



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 & ANSI/NCSL Z540-1-1994

Belleville Scale and Balance

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CALIBRATION

Valid to: January 31, 2012

Certificate Number: AC - 1307

I. Mechanical

Table with 5 columns: Parameter / Equipment, Range, Calibration and Measurement Capability [Expressed as Uncertainty(±)], Reference Standard or Equipment, Method(s). Rows include Analytical Balances Class I, Precision Balances Class I, Industrial Balances Class II, and various Industrial Scales (Light, Medium, Heavy Capacity Class III).



Parameter / Equipment	Range	Calibration and Measurement Capability [Expressed as Uncertainty( $\pm$ )]	Reference Standard or Equipment	Method(s)
Industrial Scales High Capacity Class III	(50 000 to 100 000) lb	10.8 lb	Class F Cast Iron Weights	NIST Handbook 44 OEM Specifications
Industrial Scales High Capacity Class III L	(100 000 to 200 000) lb	28.9 lb	Class F Cast Iron Weights	NIST Handbook 44 OEM Specifications

**Notes:**

1. Calibration and Measurement Uncertainties (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of  $k=2$
2. The uncertainty associated when calibrating a balance/scale is dependent on local conditions, such as the resolution of the unit being calibrated and the environment in which the balance/scale is operating. The uncertainty listed in the scope here represents the best uncertainty for a balance/scale which the organization typically calibrates in its lab. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.
3. This scope is part of and must be included with the Certificate of Accreditation No. AC - 1307




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Vice President