

Scope of Accreditation For National Standards Testing Laboratory

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In recognition of a successful assessment to ISO/IEC 17025:2005 to the following Calibration and Measurement Capabilities, accreditation has been granted to **National Standards Testing Laboratory** for the following:

Accreditation granted through: **December 2, 2017**

Calibration

Mass – Force

Calibration Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Mechanical Compression and Tension ¹ (Load Cells, Proving Rings, and Force Gages)	(44.5 to 53 379) N (10 to 12 000) lbf	0.002 % of applied force	Dead Weight to ASTM E74
	(53 379 to 4 448 220) N (12 000 to 1 000 000) lbf	0.01% of applied force	Transfer Standards to ASTM E74
Compression and Tension Testing Machines ¹	(222.4 to 17 792 880) N (50 to 4 000 000) lbf	0.25% of applied force	Transfer Standards to ASTM E4

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and remarks. 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:

- Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.

Approved by: 
R. Douglas Leonard
Chief Technical Officer

Date: December 2, 2014