



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Scale Services & Sales
431 Alden Road, Unit 12
Markham, Ontario, L3R 3L4 Canada

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 05 November 2024
Certificate Number: L2060-1



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Scale Services & Sales
 431 Alden Road, Unit 12
 Markham, Ontario, L3R3L4 Canada
 M. (Roger) Sinnarajah
 905-940-8320
 905-940-8327
CALIBRATION

Valid to: **November 5, 2024**

Certificate Number: **L2060-1**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Analytical Balances ¹ (0.000 01 to 0.000 1 g resolution)	Up to 1 g (1 to 5) g (5 to 20) g (20 to 40) g (40 to 60) g (60 to 80) g (80 to 100) g (100 to 210) g	0.03 mg 0.031 mg 0.032 mg 0.044 mg 0.053 mg 0.052 mg 0.094 mg 0.28 mg	ASTM E617 Class 0 Weights, ASTM E617 Class 1 Weights, EURAMET Calibration Guide No. 18 and Scale Services & Sales procedures
Laboratory Balances and High Precision Scales ¹ (0.001 g resolution)	0 g to 410 g	0.001 7 g	ASTM E617 Class 1 Weights, Canadian Weights & Measures Act & Regulations, NIST Handbook 44 and Scale Services & Sales procedures
(0.01 g resolution)	0 g to 4 100 g	0.014 g	
Bench Scales and Counting Scales ¹ (0.005 g resolution)	0 g to 500 g	0.006 g	ASTM E617 Class 1 Weights, ASTM E617 Class 4 Weights, Canadian Weights & Measures Act & Regulations, NIST Handbook 44 and Scale Services & Sales procedures

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Bench Scales and Counting Scales ¹ (0.01 g resolution)	0 g to 5 000 g	0.017 g	ASTM E617 Class 1 Weights, ASTM E617 Class 4 Weights, Canadian Weights & Measures Act & Regulations, NIST Handbook 44 and Scale Services & Sales procedures
(0.01 g resolution)	0 g to 2 000 g	0.015 g	
(0.02 g resolution)	0 g to 2 000 g	0.024 g	
(0.05 g resolution)	0 g to 5 000 g	0.06 g	
(0.1 g resolution)	0 g to 12 kg	0.1 g	
(0.1 g resolution)	0 kg to 32 kg	0.12 g	
(0.2 g resolution)	0 g to 16 kg	0.2 g	
(0.5 g resolution)	0 kg to 30 kg	0.64 g	
(1 g resolution)	0 kg to 50 kg	1.3 g	
(1 g resolution)	0 kg to 60 kg	1.7 g	
(2 g resolution)	0 kg to 10 kg	1.4 g	
(5 g resolution)	0 kg to 50 kg	5 g	
(10 g resolution)	0 kg to 100 kg	10.1 g	
Floor Scales ¹ (20 g resolution)	0 kg to 200 kg	21 g	
(50 g resolution)	0 kg to 200 kg	50 g	
(100 g resolution)	0 kg to 300 kg	100 g	
(200 g resolution)	0 kg to 500 kg	200 g	
(0.5 lb resolution)	Up to 2 000 lb	0.5 lb	
(1 lb resolution)	Up to 2 000 lb (2 000 to 3 000) lb (3 000 to 5 000) lb	1.2 lb 1.6 lb 2 lb	
(2 lb resolution)	(5 000 to 10 000) lb	5.6 lb	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Crane Scales ¹ (1 lb resolution)	0 lb to 5 000 lb	2 lb	ASTM E617 Class 4 Weights, ASTM E617 Class 5 Weights, Canadian Weights & Measures Act & Regulations and Scale Services & Sales Procedures

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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2060-1.



R. Douglas Leonard Jr., VP, PILR SBU

