



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Scale Services & Sales
28 Crown Steel Drive, Unit 7
Markham, Ontario L3R 9Y1 Canada

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2060-1

Certificate Number


ANAB Approval

Certificate Valid Through: 11/05/2020
Version No. 004 Issued: 10/01/2019



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
 28 Crown Steel Drive, Unit 7
 Markham, Ontario, L3R9Y1 Canada
 M. (Roger) Sinnarajah
 905-940-8320
 905-940-8327
CALIBRATION

Valid to: November 5, 2020

Certificate Number: L2060-1

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Analytical Balances (0.000 01 to 0.000 1) g	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	0.012 mg 0.019 mg 0.05 mg 0.098 mg 0.15 mg 0.19 mg 0.26 mg 0.45 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 (0.001 g resolution)	0 g to 410 g	0.0017 g	ASTM E617 Class 1 Weights, Canadian Weights & Measures Act & Regulations, NIST Handbook 44 and Scale Services & Sales procedures
(0.01g resolution)	0 g to 4 100 g	0.013 g	
Bench Scales and Counting Scales (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 (+/-) ²	Reference Standard, Method, and/or Equipment
Bench Scales and Counting Scales (0.01g 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 g	
Floor Scales (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	
(0.2 kg resolution)	0 kg to 1 000 kg	0.26 kg	
(0.5 kg resolution)	0 kg to 2 500 kg	0.6 kg	
(1 kg resolution)	0 kg to 5 000 kg	1.3 kg	

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Crane Scales - Display Resolution: (0.5 kg resolution)	0 kg to 2 500 kg	0.74 + 0.000 9M	NTEP Class III load cell, Canadian Weights & Measures Act & Regulations, NIST Handbook 44 and Scale Services & Sales procedures
(0.5 kg resolution)	0 kg to 2 500 kg	0.6 kg	OIML R 111 Class M1 Weights, Canadian Weights & Measures Act & Regulations, NIST Handbook 44 and Scale Services & Sales

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. M = the mass in kg
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2060-1.



Vice President

