



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Raeyco Lab Equipment Systems Management Ltd.
4288 Lozells Avenue, Suite 205
Burnaby, BC V5A 0C7

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

AC-2834

Certificate Number


ANAB Approval

Certificate Valid Through: 01/14/2022
Version No. 001 Issued: 01/14/2020



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

Raeyco Lab Equipment Systems Management Ltd.

4288 Lozells Avenue, Suite 205

Burnaby, BC V5A 0C7

Bohee Kim

877-772-3926

CALIBRATION

Valid to: **January 14, 2022**

Certificate Number: **AC-2834**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pipettes ¹	(1 to 10) µL	0.04 – 0.0022V µl	Gravimetric Method per ISO 8655
	(10 to 100) µL	0.004 + 0.0014V µl	
	(100 to 1 000) µL	0.003 2V – 0.18 µl	
Balances ^{1,3}	(1 to 10) mg	0.04 – 0.0027W mg	Direct Comparison to Characterized Weights
	(10 to 1 000) mg	0.012 + 0.000 11W mg	
	(1 to 10) g	0.000 12 g	

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature Measure ¹	(-80 to 0) °C	0.021 – 0.000 33C °C	Direct Comparison to RTD or Characterized TC thermometers
	(0 to 105) °C	0.021 - 0.000 038C °C	
	(105 to 150) °C	0.006 7C – 0.69 °C	
	(150 to 200) °C	0.003 2C – 0.16 °C	
Humidity Source ¹	(10 to 90) %RH	1.4 %RH	Characterized Hygrometer

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. C = temperature in Celsius ($^{\circ}\text{C}$), V = volume in microliter (μl), W = applied weight.
3. Raeyco Lab Equipment Systems Management maintains ISO 17025 qualified resident technicians in Toronto, ON, Hamilton, ON, London, ON, Winnipeg, MB and Fredericton, NB.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2834.



Vice President

