CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Alert Scientific, Inc.
469 School Street
East Hartford, CT 06108

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

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

AC-2565
Certificate Number

ANAB Approval

Certificate Valid:03/01/2018-03/01/2020
Version No. 001 Issued: 03/01/2018

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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).

ANSI-ASQ National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Alert Scientific, Inc.
469 School Street
East Hartford, CT 06108
Gary Solomon
860-569-1992

CALIBRATION

Valid to: **March 1, 2020** Certificate Number: **AC-2565**

Electrical – DC/Low Frequency

Parameter/Equipment [1]	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Electrical Simulation of Thermocouple Devices	(-200 to 0) °C (0 to 400) °C	0.36 °C + 0.26 % of reading 0.37 °C	Thermocouple Calibrator Type T
	(-200 to 0) °C (0 to 1300) °C	0.3 °C + 0.25 % of reading 0.3 °C + 0.22 % of reading	Thermocouple Calibrator Type K

Mass and Mass Related

Parameter/Equipment [1]	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Balances	(1 to 500) mg (0.5 to 10) g (10 to 100) g (0.1 to 1) kg (1 to 10) kg	0.016 mg 0.037 mg 2.3 µg/g + 0.003 mg 2.5 µg/g + 0.0058 mg 2.4 µg/g + 0.13 mg	ASTM E617 Class 1 Test Weights

Thermodynamic

Parameter/Equipment [1]	Range	Expanded Uncertainty of Measurement (+/-) [2]	Reference Standard, Method, and/or Equipment
Temperature Measurement	(-196 to 0) °C (0 to 200) °C	0.83 °C + 0.29% of reading 0.83°C + 0.14% of reading	Temperature Meter w/ Type T Thermocouple
	(-60 to 0) °C (0 to 660) °C	2.3 °C 2.3°C + 0.44% of reading	Temperature Meter w/ Type K Thermocouple

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. Resolution of the unit under test is not included in the uncertainty shown but will included when uncertainty is reported on calibration certificates.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2565.

Vice President