CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

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

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.

Jason Stine, Vice Present

Expiry Date: 01 March 2026
Certificate Number: AC-2565

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

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

CALIBRATION

Valid to: **March 1, 2026** Certificate Number: **AC-2565**

Electrical – DC/Low Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Electrical Simulation of Thermocouple Indicating Devices – Source/Measure [1]	Type K (-200 to 0) °C (0 to 1 300) °C Type T (-200 to 0) °C (0 to 400) °C	 0.25 % of reading + 0.3 °C 0.22 % of reading + 0.3 °C 0.26 % of reading + 0.36 °C 0.36 °C	Thermocouple Calibrator

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Balances [1,2]	(1 to 500) mg (0.5 to 5) g (5 to 50) g (50 to 300) g (0.3 to 10) kg	25 µg 46 µg 0.000 3 % of reading + 31 µg 0.000 3 % of reading + 10 µg 0.000 3 % of reading + 0.1 mg	ASTM E617 Class 1 Weights and internal calibration procedure utilized in the calibration of the weighing system.

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measure [1]	(-60 to 0) °C (0 to 660) °C	2.3 °C 0.44 % of reading + 2.3 °C	Comparison to Digital Thermometer, Type K Thermocouple Probe
	(-196 to -100) °C (-100 to 0) °C (0 to 200) °C	1.8 °C 1 °C 1.1 °C	Comparison to Digital Thermometer, Type T Thermocouple Probe

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. The CMC presented here does not include the resolution of the unit under test. It will be included when the uncertainty is reported on calibration certificates.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2565.

Jason Stine, Vice President