CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Tritech, Inc.
600 Central Ave., E.
Edgewater, MD 21037

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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 13 February 2024
Certificate Number: AC-2557

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

Tritech, Inc.
600 Central Avenue, E.
Edgewater, MD 21037
Justin Sossin 410-798-7610

CALIBRATION

Valid to: **February 13, 2024** Certificate Number: **AC-2557**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Analytical Balances [1,2] (0.01 mg resolution) (0.1 g resolution)	Up to 2 g (2 to 250) g	27 µg 0.12 mg	ASTM E617 Class 1 Weights and internal calibration procedure TT-201 utilized in the calibration of the weighing system.

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measure and Measuring Equipment [1]	(-100 to 140) °C	0.07 °C	Digital Thermometer with PRT
	(-40 to 140) °C	0.26 °C	Temperature Datalogger (Pt 385, 100 Ω)

Time and Frequency

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
RPM – Measure [1,3]	(5 to 5 000) rpm (5 000 to 50 000) rpm	1.3 rpm 6 rpm	Photo-tachometer
Timers, Stopwatches [1,3]	1 s to 24 h	1.1 s/d	Benchtop Timer

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. Values in parentheses in the Parameter/Equipment column represent best scale resolution.
3. s/d = seconds per day (per NIST SP 811); rpm = revolutions per minute.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2557.

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