CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

MadgeTech, Inc.
6 Warner Road
Warner, NH 03278

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 President

Expiry Date: 28 June 2027

Certificate Number: AC-2481

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

MadgeTech, Inc.
6 Warner Road
Warner, NH 03278
Shawna White (603) 456-2011
swhite@madgetech.com

CALIBRATION

ISO/IEC 17025 Accreditation Granted: **28 June 2025**

Certificate Number: **AC-2481** Certificate Expiry Date: **28 June 2027**

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Temperature – Measuring Equipment	(-84 to 5) °C	0.039 °C	Comparison to Accumac AM1760-12 PRT or equivalent with Fluke 1502A Indicator, Fluke 7381 Deep-Well Bath with Methanol
	(5 to 80) °C	0.039 °C	Comparison to Accumac AM1760-12 PRT or equivalent with Fluke 1502A Indicator, Fluke 7321 Deep-Well Bath with Distilled Water
	(80 to 140) °C	0.036 °C	Comparison to Accumac AM1760-12 PRT or equivalent with Fluke 1502A Indicator, Fluke 7321 Deep-Well Bath with Silicone Oil
	(10 to 24) °C	0.49 °C	Comparison to Vaisala HMP155 Temperature/ Humidity Probe and Indicator, Environmental Chamber
	(24 to 26) °C	0.32 °C	Comparison to Vaisala HMP155 Temperature/ Humidity Probe and Indicator, Environmental Chamber
	(26 to 50) °C	0.87 °C	Comparison to Vaisala HMP155 Temperature/ Humidity Probe and Indicator, Environmental Chamber

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414-501-5494
www.anab.org

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
	(50 to 60) °C	1.1 °C	Comparison to Vaisala HMP155 Temperature/ Humidity Probe and Indicator, Environmental Chamber
	(50 to 420) °C	0.14 °C	Comparison to Accumac AM1760-12 PRT or equivalent with Fluke 1502A Indicator, Fluke 9173 Metrology Bath
Temperature – Measuring Equipment	-196 °C	0.059 °C	Comparison to LN_2 Dewar, Accumac AM1760-12 PRT or equivalent with Fluke 1502A Indicator
Relative Humidity	(10 to 90) %RH	1.4 %RH	Comparison to Vaisala HMP 155 Temperature/Humidity Probe and Indicator

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Pneumatic Pressure	(0 to 500) psig (1 to 500) psia	0.084 psi 0.093 psi	Comparison to Mensor CPC6000 with MadgeTech Fixture 4020
	(1.5 to 72.5) psia	0.063 psi	Comparison to Mensor CPC6000 with MadgeTech Fixture 4010
	(1 to 20) psia	0.077 psi	Comparison to Mensor CPC6000 with MadgeTech Fixture 4034

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%.

Jason Stine, Vice President

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