



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200803-0

THERMODYNAMICS

NVLAP Code: 20/T02
Humidity
Generated in RH chamber @ 25° C

<i>Range in % RH</i>	<i>Best Uncertainty (±) in % RH^{note 1}</i>
25 to 85	1.1

NVLAP Code: 20/T05
Pressure
Pressure by comparison

<i>Range in psia</i>	<i>Best Uncertainty (±) in psi^{note 1}</i>
0 to 150	0.02

NVLAP Code: 20/T07
Resistance Thermometry
RTD Temperature measurement by comparison to SPRT

<i>Temperature in °C</i>	<i>Best Uncertainty (±) in mK^{note 1}</i>
-196	10
0	5.1
100	8
390	12

2009-04-01 through 2010-03-31

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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Temperature by comparison to RTD Probe

<i>Temperature in °C</i>	<i>Best Uncertainty (±) in mK ^{note 1}</i>
-60	28
0	28
100	28
400	28

Temperature Measurement by comparison to RTD Probe

<i>Temperature Range in °C</i>	<i>Best Uncertainty (±) in mK ^{note 1}</i>
-60 to 400	28

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.

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