National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Burns Engineering Inc.
10201 Bren Road East
Minnetonka, MN 55343-9007
Mr. John Zwak
Phone: 952-567-6425 Fax: 952-935-8782
E-mail: jzwak@burnsengineering.com
URL: www.burnsengineering.com

CALIBRATION LABORATORIES **NVLAP LAB CODE 200706-0**

NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1 Compliant

THERMODYNAMICS

NVLAP Code: 20/T07
Resistance Thermometry

Range in °C	***Best Uncertainty (±)in mK*** [note 1]	***Remarks***
High Quality PRT by comparison to SPRT		
-196	5.2	LN2 Bath
-80 to 20	5.1	Refrigerated Liquid Bath
0/0.01	3.4	Ice Bath
20 to 250	6.9	Heated Fluid Bath
250 to 500	17	Salt Bath
Digital Thermometer with PRT System by comparison with SPRT		
-196	5.2	LN2 Bath
-80 to 20	5.1	Refrigerated Liquid Bath
0/0.01	3.4	Ice Bath
20 to 250	6.9	Heated Fluid Bath
250 to 500	17	Salt Bath

2008-10-01 through 2009-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology

CALIBRATION LABORATORIES **NVLAP LAB CODE 200706-0**

SPRT at the TPW using a TPW cell		
0.01	1.6	TPW Cell
Any PRT at the Ice Point using an Ice Bath		
0/0.01	25	Ice Bath
Any PRT by comparison to SPRT		
-196	25	LN2 Bath
-80 to 20	25	Refrigerated Liquid Bath
0/0.01	25	Ice Bath
20 to 250	25	Heated Fluid Bath
250 to 500	25	Salt Bath

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

2008-10-01 through 2009-09-30

Effective dates

For the National Institute of Standards and Technology