

National Institute
of Standards and Technology



National Voluntary
Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

Scope of Accreditation



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CALIBRATION LABORATORIES

NVLAP LAB CODE 200661-0

BIOS INTERNATIONAL CORPORATION

10 Park Place
Butler, NJ 07405-1371
Mr. Harvey Padden
Phone: 973-492-8400 x13 Fax: 973-492-8270
E-Mail: padh@biosint.com
URL: <http://www.biosint.com>

TIME AND FREQUENCY

NVLAP Code: 20/F01
Frequency Dissemination^{note 2}

Range	Best Uncertainty (\pm) ^{note 1}	Remarks
0.1 Hz to 10 MHz	0.000025%	Frequency Period 200 ns to 10 sec

MECHANICAL

NVLAP Code: 20/M05
Flow Rate

Range in sccm	Best Uncertainty (\pm) ^{note 1}	Remarks
1.0 to 2.5	0.096 %	
2.5 to 5.0	0.083 %	
5.0 to 50,000	0.076 %	

September 30, 2005

A handwritten signature in black ink, appearing to read 'William R. Muhl'.

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THERMODYNAMIC

NVLAP Code: 20/T05

Pressure^{note 2}

Range	Best Uncertainty (\pm) ^{note 1}	Remarks
0 kPa to 1 kPa	0.15 kPa	
87 kPa to 173 kPa	3.47 Pa	

NVLAP Code: 20/T07

Resistance Thermometry^{note 2}

Range in °C	Best Uncertainty (\pm) ^{note 1}	Remarks
-20 to -5	0.05 °C	
-5 to 70	0.03 °C	
70 to 130	0.03 °C	

1. Represents an expanded uncertainty using a coverage factor, $k=2$, at an approximate level of confidence of 95%.
2. Calibration service provided in support of Bios International Corporation manufactured flow standards only.

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