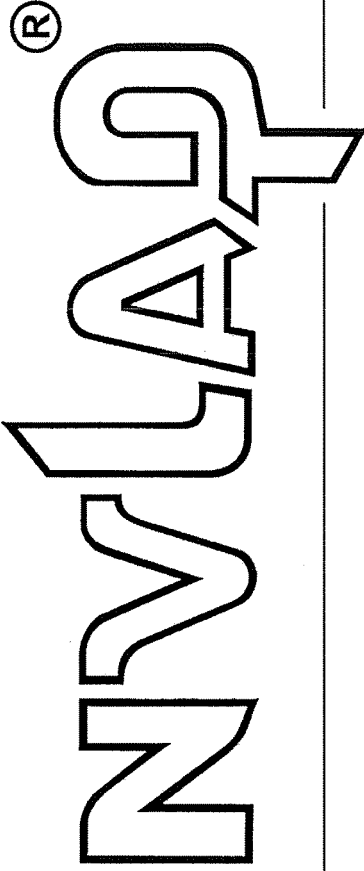


United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 2006661-0

Bios International Corporation
Butler, NJ

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

CALIBRATION LABORATORIES

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
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 January 2009).*

2009-10-01 through 2010-09-30

Effective dates



Dolly S. Bruce

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Bios International Corporation
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CALIBRATION LABORATORIES

NVLAP LAB CODE 200661-0

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

DC/LOW FREQUENCY ELECTROMAGNETICS

NVLAP Code: 20/E05
 DC Current

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0.1 to 20 mA	0.015 %	

NVLAP Code: 20/E06
 DC Voltage

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0.1 to 28 V	0.015 %	

TIME AND FREQUENCY

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

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0.1 Hz to 10 MHz	0.000025 %	Frequency Period 200 ns to 10 sec

2009-10-01 through 2010-09-30

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National Voluntary Laboratory Accreditation Program



CALIBRATION LABORATORIES

NVLAP LAB CODE 200661-0

MECHANICAL

NVLAP Code: 20/M05

Flow Rate

<i>Range in sccm</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
1.0 to 2.5	0.163 %	
2.5 to 5.0	0.127 %	
5.0 to 50 000	0.071 %	

THERMODYNAMIC

NVLAP Code: 20/T05

Pressure ^{note 2}

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0 kPa to 1 kPa	0.15 kPa	
87 kPa to 173 kPa	3.47 Pa	

NVLAP Code: 20/T07

Resistance Thermometry ^{note 2}

<i>Range in °C</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
-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.

2009-10-01 through 2010-09-30

Effective dates

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