

Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NCSL Z540:1994 Part 1 and
relevant requirements of ISO 9002:1994 ACCREDITED
by NVLAP (an ILAC and APLAC signatory)

Kit K

NVLAP[®]

NVLAP Lab Code: 200625-0

Calibration Certificate No.19071

Instrument: Sound Level Meter
Model: NL31
Manufacturer: Rion
Serial number: 00110035
Tested with: Microphone UC53A s/n 103687
Preamplifier NH-21 s/n 00124
Type (class): 1
Customer: Acentech Incorporated
Tel/Fax: 617-499-8087/ -8074/
gunger@acentech.com

Date Calibrated: 12/16/2008
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

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See comments:
Contains non-accredited tests: Yes No
Calibration service: Basic Standard
Address: 33 Moulton Street
Cambridge, MA 02138

Tested in accordance with the following procedures and standards:

Calibration of Sound Level Meters, Scantek Inc., 06/07/2005
SLM & Dosimeters – Acoustical Tests, Scantek Inc., 06/15/2005

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Jan 15, 2008	Scantek, Inc.	Jan 15, 2009
DS-360-SRS	Function Generator	33584	Jan 3, 2008	Davis Calibration / AClass	Jan 3, 2009
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Aug 19, 2008	ACR Env. / A2LA	Aug 14, 2009
HM30-Thommen	Meteo Station	1040170/39633	Dec 21, 2007	Transcat / A2LA	Jun 21, 2009
PC Program 1019 Norsonic	Calibration software	v.46	Validated Dec 2006	-	-
1253-Norsonic	Calibrator	25726	Jan 29, 2008	Scantek, Inc.	Jan 29, 2009

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
22.9 °C	101.68 kPa	30.5 %RH

Calibrated by	Javier Albarracin	Checked by	Mariana Buzduga
Signature	<i>J. Albarracin</i>	Signature	<i>M. Buzduga</i>
Date	12/16/2008	Date	12/16/08

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This Calibration Certificate or Test Reports shall not be used to claim product certification, approval or endorsement by NVLAP,
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CALIBRATION LABORATORY

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NVLAP Lab Code: 200625-0

Calibration Certificate No. 18738

Instrument: Sound Level Meter
Model: NL31
Manufacturer: Rion
Serial number: 00110021
Tested with: Microphone UC-53A s/n 103321
Preamplifier NH-21 s/n 00123
Type (class): 1
Customer: Acentech, Inc.
Tel/Fax: 617-499-8087/ -8074/
gunger@acentech.com

Date Calibrated: 10/8/2008
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

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See comments:
Contains non-accredited tests: Yes No
Calibration service: Basic Standard
Address: 33 Moulton Street
Cambridge, MA 02138

Tested in accordance with the following procedures and standards:

Calibration of Sound Level Meters, Scantek Inc., 06/07/2005
SLM & Dosimeters – Acoustical Tests, Scantek Inc., 06/15/2005

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Jan 15, 2008	Scantek, Inc.	Jan 15, 2009
DS-360-SRS	Function Generator	33584	Jan 3, 2008	Davis Calibration / AClass	Jan 3, 2009
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Aug 19, 2008	ACR Env. / A2LA	Aug 14, 2009
HM30-Thommen	Meteo Station	1040170/39633	Dec 21, 2007	Transcat / A2LA	Jun 21, 2009
PC Program 1019 Norsonic	Calibration software	v.46	Validated Dec 2006	-	-
I253-Norsonic	Calibrator	25726	Jan 29, 2008	Scantek, Inc.	Jan 29, 2009

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.5 °C	100.34 kPa	42.3 %RH

Calibrated by	Valentin Buzduga	Checked by	Mariana Buzduga
Signature		Signature	
Date	10/08/2008	Date	10/9/2008

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Scantek, Inc.

CALIBRATION LABORATORY

ISO 17025: 2005, ANSI/NC SL Z540:1994 Part 1 and
relevant requirements of ISO 9002:1994 ACCREDITED
by NVLAP (an ILAC and APLAC signatory)



NVLAP Lab Code: 200625-0

Calibration Certificate No.20050

Instrument: Sound Level Meter
Model: NL31
Manufacturer: Rion
Serial number: 00110030
Tested with: Microphone UC53A s/n 100531
Preamplifier NH21 s/n 00132
Type (class): 1
Customer: Acentech, Inc.
Tel/Fax: 617-499-8087/ -8074/
gunger@acentech.com

Date Calibrated: 7/7/2009
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

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See comments:
Contains non-accredited tests: Yes No
Calibration service: Basic Standard
Address: 33 Moulton Street
Cambridge, MA 02138

Tested in accordance with the following procedures and standards:

Calibration of Sound Level Meters, Scantek Inc., 06/07/2005
SLM & Dosimeters – Acoustical Tests, Scantek Inc., 06/15/2005

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Jan 2, 2009	Scantek, Inc.	Jan 2, 2010
DS-360-SRS	Function Generator	33584	Jan 3, 2008	Davis Calibration / AClass	Jan 3, 2010
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Aug 19, 2008	ACR Env. / A2LA	Aug 19, 2009
DPI 141-Druck	Pressure Indicator	790/00-04	Nov 21, 2008	Transcat / NVLAP	Nov 21, 2010
HMP233-Vaisala Oyj	Humidity & Temp. Transmitter	V3820001	May 7, 2008	Transcat / NVLAP	Nov 7, 2009
PC Program 1019 Norsonic	Calibration software	v.46	Validated Dec 2006	-	-
1253-Norsonic	Calibrator	25726	Jan 2, 2009	Scantek, Inc.	Jan 2, 2010

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.2 °C	99.47 kPa	46 %RH

Calibrated by	Javier Albarracin	Checked by	Mariana Buzduga
Signature	<i>Javier Albarracin</i>	Signature	<i>Mariana Buzduga</i>
Date	7/7/2009	Date	7/7/2009

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NVLAP Lab Code: 200625-0

Calibration Certificate No.19073

Instrument: Sound Level Meter
Model: NL31
Manufacturer: Rion
Serial number: 00610346
Tested with: Microphone UC53A s/n 101183
 Preamplifier NH-21 s/n 01553
Type (class): 1
Customer: Acentech Incorporated
 617-499-8087/ -8074/
Tel/Fax: gunger@acentech.com

Date Calibrated: 12/16/2008
Status:

Received	Sent
X	X

In tolerance: X
Out of tolerance:
See comments:
Contains non-accredited tests: ___ Yes X No
Calibration service: ___ Basic X Standard
Address: 33 Moulton Street
 Cambridge, MA 02138

Tested in accordance with the following procedures and standards:

Calibration of Sound Level Meters, Scantek Inc., 06/07/2005
SLM & Dosimeters – Acoustical Tests, Scantek Inc., 06/15/2005

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Jan 15, 2008	Scantek, Inc.	Jan 15, 2009
DS-360-SRS	Function Generator	33584	Jan 3, 2008	Davis Calibration / AClass	Jan 3, 2009
34401A-Agilent Technologies	Digital Voltmeter	US36120731	Aug 19, 2008	ACR Env. / A2LA	Aug 14, 2009
HM30-Thommen	Meteo Station	1040170/39633	Dec 21, 2007	Transcat / A2LA	Jun 21, 2009
PC Program 1019 Norsonic	Calibration software	v.46	Validated Dec 2006	-	-
1253-Norsonic	Calibrator	25726	Jan 29, 2008	Scantek, Inc.	Jan 29, 2009

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK).

Environmental conditions:

Temperature (°C)	Barometric pressure (kPa)	Relative Humidity (%)
23.1 °C	101.03 kPa	35.6 %RH

Calibrated by	Javier Albarracin	Checked by	Mariana Buzduga
Signature	<i>Javier Albarracin</i>	Signature	<i>Mariana Buzduga</i>
Date	12/16/2008	Date	12/16/08

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Scantek, Inc.

CALIBRATION LABORATORY

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relevant requirements of ISO 9002:1994 ACCREDITED by
NVLAP (an ILAC and APLAC signatory)



NVLAP Lab Code: 200625-0

Calibration Certificate No. 19503

Instrument: Acoustical Calibrator
Model: 4231
Manufacturer: Brüel and Kjær
Serial number: 2343261
Class (IEC 60942): 1
Barometer type:
Barometer s/n:
Customer: Acentech Inc.
Tel/Fax: 617-499-8087/ -8074

Date Calibrated: 3/19/2009
Status:

Received	Sent
X	X

In tolerance:

X	X
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Out of tolerance:

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See comments:
Contains non-accredited tests: Yes No

Address: 33 Moulton Street
Cambridge, MA 02138

Tested in accordance with the following procedures and standards:
Calibration of Acoustical Calibrators, Scantek Inc., 06/06/2005

Instrumentation used for calibration: Nor-1504 Norsonic Test System:

Instrument - Manufacturer	Description	S/N	Cal. Date	Traceability evidence	Cal. Due
				Cal. Lab / Accreditation	
483B-Norsonic	SME Cal Unit	31052	Jan 2, 2009	Scantek, Inc.	Jan 2, 2010
DS-360-SRS	Function Generator	33584	Jan 3, 2008	Davis Calibration / AClass	Jan 3, 2010
34401A-Agilent	Digital Voltmeter	US36120731	Aug 19, 2008	ACR Env. / A2LA	Aug 19, 2009
HM30-Thommen	Meteo Station	1040170/39633	Dec 21, 2007	Transcat / A2LA	Jun 21, 2009
8903-HP	Audio Analyzer	2514A05691	Jan 2, 2008	Transcat / A2LA	Jan 2, 2011
PC Program 1018 Norsonic	Calibration software	v.44	Validated May 2006	-	-
1253-Norsonic	Calibrator	22909	Jan 2, 2009	Scantek, Inc.	Jan 2, 2010
1203-Norsonic	Preamplifier	14059	Jan 2, 2009	Scantek, Inc./ NVLAP	Jan 2, 2010
4180-Bruel&Kjaer	Microphone	2246115	Mar 7, 2008	NPL (UK) / UKAS	Mar 7, 2010

Instrumentation and test results are traceable to SI (International System of Units) through standards maintained by NIST (USA) and NPL (UK)

Calibrated by	Javier Albarracin	Checked by	Mariana Buzduga
Signature	<i>Javier Albarracin</i>	Signature	<i>Mariana Buzduga</i>
Date	3/19/2009	Date	3/20/2009

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