

CERTIFICATE OF CALIBRATION

AVC16073

CUSTOMER

Name: Voorbeeld
Address: Voorbeeld
Zip code & City : 1234AB Amsterdam
Country: Nederland

CALIBRATION OF

Device: Noise Monitoring
Brand & type: Aurolux
Serial number: 28613
Customers Instrument tag: METER01

SPECIFICATIONS

Calibrated in accordance with: The guiding document for requirements relating to in-house calibration activities is ISO/IEC 17025 - General Requirements for the Competence of Calibration and Testing Laboratories.
Method used: Calibration by comparison method.
Traceability: The calibration assures the traceability to the international units system SI.

CALIBRATION CONDITIONS

Preconditioning: 4 hours at 23 [°C] ± 3 [°C]
Environmental conditions:

Pressure	Unit	Humidity	Unit	Temperature	Unit
1011,30	[hPa]	41,0	[%]	20,7	[°C]

UNCERTAINTY OF MEASUREMENT

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, which for a normal distribution provides a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with EA-4/02 from elements originating from standards, calibration method, effects of environmental conditions and any short time contribution from the device under calibration.

RESULT

PASS

DATE

Date of calibration:	Date of issue:
Calibration Engineer:	Approved Signatory:
A.Vreeswijk	21-Feb-2017
	21-Feb-2017

AV-Consulting Calibration
Laboratory
Benedenberg 100A
2861 LH BERGAMBACHT
THE NETHERLANDS
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Reproductie van het volledige certificaat is toegestaan. Gedeelten van het certificaat mogen slechts worden gereproduceerd na verkregen schriftelijke toestemming van het laboratorium van afgifte. Dit certificaat wordt verstrekt onder het voorbehoud dat AV-Consulting Calibration Laboratory generlei aansprakelijkheid aanvaardt.

VISUAL INSPECTION

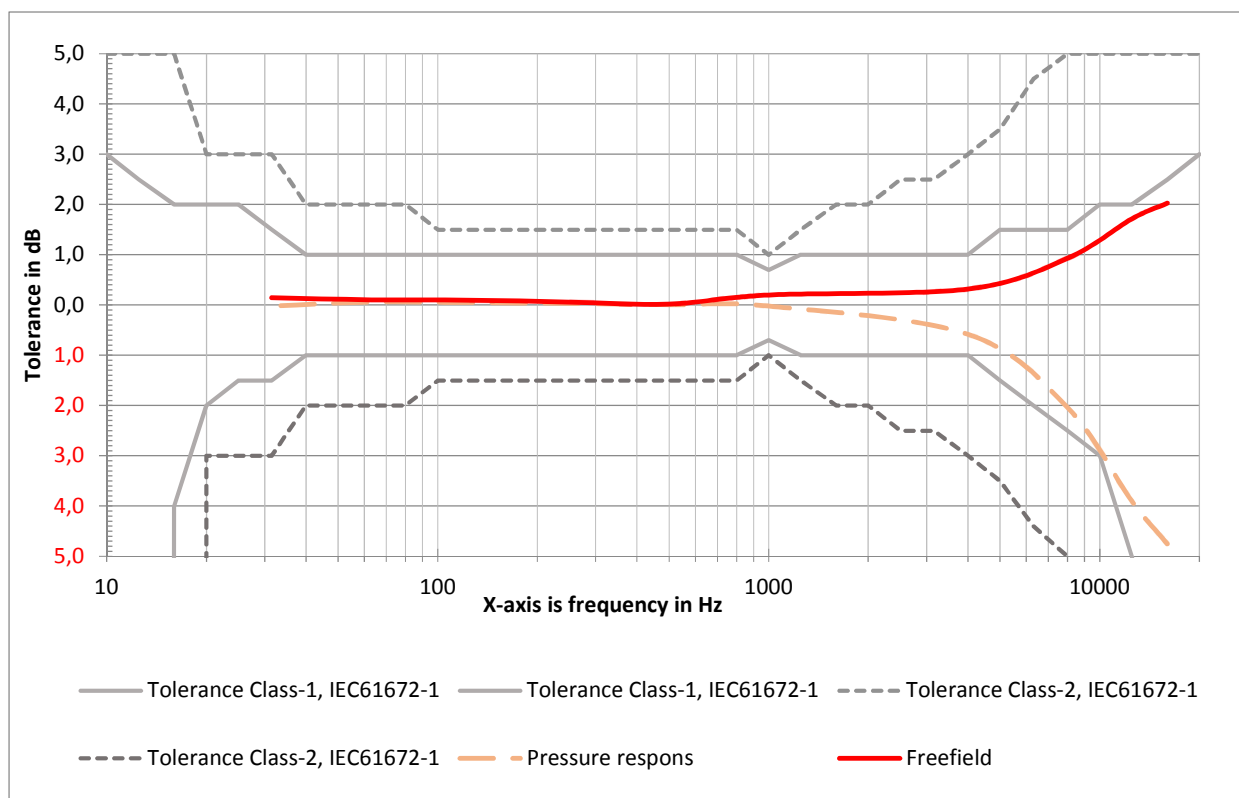
	Yes	No
The equipment / device is in serviceable condition.	x	
There is no visible damage.	x	
The appropriate documentation accompanied the equipment.	x	
Calibration tags / CE tags are present and correct.	x	
The equipment is suitable to use for official testing and/or calibration.	x	

COMMENTS

The sound level meter submitted for testing successfully completed the periodic tests for the environmental conditions under which the tests were performed.

CALIBRATION EQUIPMENT

Device	Type	Brand	Serial no.
Electrostatic Acuator	AS011	BSWA	550001
Ultra Low Distortion Generator	DS360	Stanford RS	33264
Digital Voltmeter 6½ digits	34465A	Keysight	MY54502281
Arbitrary Waveform Generator	4052	BK Precision	388I14141
Conditioning Amplifier	2691	Bruel & Kjaer	2079137
Electroacoustical Calibrator	4231	Bruel & Kjaer	1000577
Multifrequency Calibrator	4226	Bruel & Kjaer	1854566
Pistonphone	4228	Bruel & Kjaer	1570765
Full Frequency Coupler	CA-916	BSWA	540002
Microphone replacement	K65-15	NTI	K65S
Audio analyzer	XL2	NTI	A2A-06359-E0
Puls FFT-Analyzing System	3032A	Bruel & Kjaer	2338570



MEASUREMENTS

Frequency	Pressure response 0°	Free field response 0°	Accept -Limit Free field	Accept +limit Free field	Deviation Pressure field	Deviation Free field	Uncertainty
Hz	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dB]
16000	89,25	96,03	-16,00	2,50	-4,75	2,03	0,50
12500	90,10	95,72	-5,00	2,00	-3,90	1,72	0,50
8000	91,96	94,93	-2,50	1,50	-2,04	0,93	0,25
4000	93,42	94,32	-1,00	1,00	-0,58	0,32	0,15
1000	93,98	94,20	-0,70	0,70	-0,02	0,20	Ref.
500	94,01	94,02	-1,00	1,00	0,01	0,02	0,10
250	94,03	94,06	-1,00	1,00	0,03	0,06	0,10
125	94,05	94,10	-1,00	1,00	0,05	0,10	0,15
63	94,06	94,10	-1,00	1,00	0,06	0,10	0,15
31,5	93,98	94,14	-1,50	1,50	-0,02	0,14	0,15