

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2017
 Registration number: **K 168**

of **Bureau Geluid NL vof**
Bureau Geluid Calibration Laboratory

This annex is valid from: **17-12-2020 to 01-03-2025**

Replaces annex dated: **22-01-2020**

Location(s) where activities are performed under accreditation

Head Office

Sint Gerlach 47
 6301 JA
 Valkenburg
 Nederland

Sint Gerlach 47 6301 JA Valkenburg The Netherlands	VA
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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
AC 0 0	ACOUSTIC QUANTITIES				
AC 1 0	Acoustic pressure			0 dB re 20 μ PA	VA
	Sound level meters 94 dB 104 dB 114 dB	31.5 Hz – 4 kHz > 4 kHz – 10 kHz > 10 kHz – 16 kHz	0.33 dB 0.43 dB 0.60 dB		
	Acoustic calibrator: 94 dB 104 dB 114 dB	1 000 Hz	0.15 dB		

¹ Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty, *U*, is calculated according to EA-4/02 "Evaluation of the Uncertainty of Measurement in Calibration".

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

of **Bureau Geluid NL vof**
Bureau Geluid Calibration Laboratory

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
AC 1 0	Frequency				VA
	Acoustic calibrator: 94 dB 104 dB 114 dB	1 000 Hz	0.1 Hz		
A C 1 0	Distortion				VA
	Acoustic calibrator: 94 dB 104 dB 114 dB	1 000 Hz	0.5 %	Total Distortion (THD + N)	
AC 2 0	Transducers / microphones				VA
	AC Voltage				
	Electric part of sound level meters (20 dB –140 dB)	31.5 Hz – 16 kHz	(0.10 – 0.15) dB	0.10 dB for tests according IEC 61672-3:2013, test 15 and 21 0.15 dB for other electrical tests according IEC 61672	
	Filters	$25 \text{ Hz} \leq f_c \leq 20 \text{ kHz}$	0.2 dB	1/1 and 1/3 octave band filters f_c = central frequency IEC-61260	

Remarks:

- The environmental conditions during calibrations are within the range of: (20 – 26) °C, (25 – 70) %RH and (800 – 1050) hPa air pressure
- Acoustic tests for microphones with nominal diameter ½ inch and ¼ inch
- Examination according the Standards:
 - IEC 60942:2003 and IEC 60942:2017
 - IEC 61672-3:2006 and IEC 61672-3:2013
 - Filter attenuation (relative attenuation) according to IEC-61260:1995 and IEC-61260-3:2016
- Calibrations are performed in the laboratory
- Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range.
- Measurement uncertainty, U, is calculated according to EA-4/02 "Expression of the Uncertainty of Measurement in Calibration".