

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: **20-02-2025 to 01-03-2029**

Replaces annex dated: **31-01-2024**

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			0 dB re 20 µPA	
AC 1 0	Acoustic pressure				VA
	Sound level meters	94 dB 104 dB 114 dB	0,33 dB 0,43 dB 0,60 dB	31,5 Hz – 4 kHz > 4 kHz – 10 kHz > 10 kHz – 16 kHz IEC 61672-3:2006, IEC 61672-3:2013	
	Acoustic calibrator	94 dB 104 dB 114 dB	0,15 dB 0,15 dB 0,15 dB	1000 Hz 1000 Hz 1000 Hz IEC 60942:2003, IEC 60942:2017	

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

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
AC 1 0	Frequency				VA
	Acoustic calibrator	1000 Hz 1000 Hz 1000 Hz	0,1 Hz 0,1 Hz 0,1 Hz	94 dB 104 dB 114 dB IEC 60942:2003, IEC 60942:2017	
A C 1 0	Distortion				VA
	Acoustic calibrator	0 % – 20 % 0 % – 20 % 0 % – 20 %	0,5 % 0,5 % 0,5 %	1000 Hz, 94 dB 1000 Hz, 104 dB 1000 Hz, 114 dB Total Distortion (THD + N) IEC 60942:2003, IEC 60942:2017	
AC 2 0	Transducers / microphones				VA
	AC Voltage				
	Electric part of sound level meters	20 dB – 140 dB	0,10 – 0,15 dB	31,5 Hz – 16 kHz 0,10 dB for tests IEC 61672-3:2013, test 15 en 21 0,15 dB for other tests IEC 61672-3:2006, IEC 61672-3:2013	
	Filters	20 dB – 140 dB	0,2 dB	1/1 and 1/3 octave band filters f_c = central frequency filter weakening IEC 61260:1995, IEC 61260-3:2016 $25 \text{ Hz} \leq f_c \leq 20 \text{ kHz}$	

Remarks:

- The environmental conditions during calibrations are within the range of: 20 °C – 26 °C, 25 %RH – 70 %RH and 800 hPa – 1050 hPa air pressure
- Acoustic tests for microphones with nominal diameter ½ inch and ¼ inch