

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: **31-01-2024 to 01-03-2025**

Replaces annex dated: **17-12-2020**

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

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