



ORDER

№ A 181

Sofia, 28.04.2023

Pursuant to Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 6 of the BAS QR 2 Accreditation Procedure, in connecton with an open procedure reg. № 22/1 ЛИК/ПА/19.09.2022, assessment report reg. № 22/1 ЛИК/ПА/4/В/09.11.2022, and statement of the Accreditation Commission reg. № 22/1 ЛИК/ПА/В/31.03.2023, I hereby

REACCREDIT

Spectri Ltd.
SPECTRI LAB Testing and calibration laboratory

Management address:

1421 Sofia, Lozenets, 30 Sv. Teodosii Tarnovski Str, floor 1, apt.3

Laboratory address:

1700 Sofia, Studentski Komplex, 5A Baku Str, office 5-2,3

To perform testing of:

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test / characteristic	Test methods (standard/ validated method)
1	2	3	4
1.	Environmental Noise*	Equivalent noise level (Equivalent sound pressure level), dBA	БДС ISO 1996-2; БДС 15471; БДС ISO 8297 Methodology for determining the total sound power emitted by an industrial plant in the environment and determining the noise level at the site of impact
		Maximum A-weighted noise level (Maximum A-weighted sound pressure level), dBA	БДС 15471; БДС ISO 1996-2;

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test / characteristic	Test methods (standard/ validated method)
1	2	3	4
		Noise level at the place of impact, dBA	Methodology for determining the total sound power emitted by an industrial plant in the environment and determining the noise level at the site of impact
		Total sound power level, dBA	БДС ISO 8297 Methodology for determining the total sound power emitted by an industrial plant in the environment and determining the noise level at the site of impact

Flexible scope: Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by CAB.

*** The testing is performed at a location requested by the client.**

Reference:

Methodology for determining the total sound power emitted by an industrial plant in the environment and determining the noise level at the site of impact, approved by Order № РД-613/08.08.2012 of Minister of Environment and Water.

To perform calibrating of:

Type of the scope: <i>fixed</i>					
№	Measuring instrument	Measured value, unit of measure	Measurement range	Measurement uncertainty	Calibration method
1	2	3	4	5	6
1.	Acoustic (sound) calibrators	sound pressure level, dB for nominal frequencies 250 Hz and 1 kHz	94 dB, 114 dB, 124 dB (relative to 20 µPa)	0.15 dB	ILM 01 (БДС EN 60942)
2.	Acoustic (sound) multifunctional calibrators	sound pressure level, dB for nominal frequencies from 31.5 Hz to 16 kHz	94 dB, 104 dB, 114 dB (relative to 20 µPa) from 31.5 Hz	0.2 dB	ILM 01 (БДС EN 60942)

Type of the scope: <i>fixed</i>					
№	Measuring instrument	Measured value, unit of measure	Measurement range	Measurement uncertainty	Calibration method
1	2	3	4	5	6
			to 4 kHz		
			from 8 kHz to 16 kHz	0.4 dB	
3.	Sound level meters	sound pressure level, dB for nominal frequencies 31.5 Hz to 12.5 kHz (acoustic calibration)	from 94 dB to 114 dB (relative to 20 µPa) from 31.5 Hz to 2 kHz	0.3 dB	ILM 02 (БДС EN 60651; БДС EN 60804; БДС EN 61672-1; БДС EN 61672-2; БДС EN 61672-3)
		sound pressure level, dB for nominal frequencies 20 Hz to 16 kHz (electronic calibration)	From 4 kHz to 12.5 kHz	0.6 dB	
			from 20 dB to 140 dB (relative to 20 µPa)	0.4 dB	
4.	Personal noise dose meters	sound pressure level, dB for nominal frequencies: from 63 Hz to 8 kHz (acoustic calibration)	from 60 dB to 120 dB (relative 20 µPa) - from 63 Hz to 2 kHz - for 4 kHz - for 8 kHz	0.4 dB 0.8 dB 1, 3 dB	ILM 03 (БДС EN 61252)
		Sound pressure level, dB for nominal frequencies from 63 Hz to 8 dB (electronic calibration)	from 60 dB to 140 dB	0.4 dB	

Note:

The calibration of the measuring instruments shall be done only in the laboratory.

References:

ILM 01 - Internal laboratory calibration method for sound calibrators (БДС EN 60942)

ILM 02 - Internal laboratory calibration method of sound level meters (БДС EN 60651, БДС EN 60804, БДС EN 61672-1, БДС EN 61672-2, БДС EN 61672-3)

ILM 03 - Internal laboratory methodology for calibration of personal noise dose meters (БДС EN 61252).

I ORDER

To issue the certificate of accreditation reg. № 1 ЛИК/28.04.2023, valid until 28.04.2027, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received at the office of EA BAS by the Manager/representative of Spectri Ltd, the head of Spectri Lab Testing and calibration laboratory, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 1 ЛИК/10.12.2021, valid until 30.04.2023 and its enclosure – EA BAS order reg. № A 784/10.12.2021.

This order shall be notified to Spectri Ltd, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

