



EXECUTIVE AGENCY  
BULGARIAN ACCREDITATION SERVICE

BAS Reg. № 1 ЛИК

Dated: 29.09.2020

Valid until: 30.04.2023

# CERTIFICATE OF ACCREDITATION

**SPECTRI LTD**  
**TESTING AND CALIBRATION LABORATORY "SPECTRI - LAB"**

**Address off management :** 1421 Sofia, Lozenets district, 30 Teodosiy Tarnovski Street,  
floor 1, apt. 3.

**Address of laboratory:** 1700 Sofia, q. Students complex, 5A "Baku", office 5-2,3

**UIC 175 208 219**

## ACCREDITATION SCOPE:

**To perform testing of:**  
Environmental noise.

**To perform calibration of:**  
Acoustic (sound) calibrators. Acoustic (sound) multifunctional calibrators. Sound level meters.  
Personal noise dose meters.

**ACCREDITED ACCORDING БДС EN ISO / IEC 17025:2018**

Order № A 566/29.09.2020 is integral part of the Accreditation Certificate  
Totally 4 pages

Date of initial accreditation: 30.04.2019

**Executive Director:**

**Eng. Irena Borislavova**

**EA BAS**

**BG 2021024**





**ORDER**

**№ A 566**

**Sofia, 29.09.2020**

Pursuant to Art. 10, para. 1, item 2 / art. 20, para. 6 of the Law on National Accreditation of Conformity Assessment Bodies and the relevant item 5.3.1 content according to item 4.3.8 b) of BAS QR 2 Accreditation Procedure in connection with Report with registered № 22/1 ЛИК/38/В/01.07.2020, Annex with registered № 22/1 ЛИК/41/В/28.08.2020 and Order of EA BAS № A 565/29.09.2020, I hereby

**AMEND**

**EA BAS ORDER № A 159/30.04.2019**

**of**

**SPECTRI LTD**

**TESTING AND CALIBRATION LABORATORY "SPECTRI - LAB"**

**Address of management :** 1421 Sofia, Lozenets district, 30 Teodosiy Tarnovski Street, floor 1, apt. 3.

**Address of laboratory:** 1700 Sofia, q. Students complex, 5A "Baku", office 5-2,3

**To perform testing of:**

<b>No</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Test methods (standard/ validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1	Environmental Noise	Equivalent noise level (Equivalent sound pressure level), dBA	БДС ISO 1996-2; БДС 15471; БДС ISO 8297 Methodology of MOEW
		Maximum A-weighted noise level (Maximum A-weighted sound pressure level), dBA	БДС 15471; БДС ISO 1996-2;
		Noise level at the place of impact, dBA	Methodology of MOEW
		Total sound power level, dBA	БДС ISO 8297 Methodology of MOEW

**1. References:**

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 of MOEW.

**To perform calibration of:**

No	Measurement instrument	Measured quantity, measurement unit	Range of measurement	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	VLM 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 to 4 kHz from 8 kHz to 16 kHz	0.2 dB 0.4 dB	VLM 01 (БДС EN 60942)
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	VLM 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 from 20 dB to 140 dB (relative to 20 µPa)	0.6 dB 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	VLM 03 (БДС EN 61252)
		Sound pressure level, dB for nominal frequencies from 63 Hz to 8 kHz (electronic calibration)	from 60 dB to 140 dB	0.4 dB	

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

2. References:

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

VLM 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)

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



## I HEREBY ORDER

To issue the Certificate of accreditation reg. № 1 ЛИК of 29.09.2020 valid until 30.04.2023 and this order enclosed as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from manager of SPECTRI LTD, the head of the Testing and calibration laboratory "SPECTRI - LAB" or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of Certificate of accreditation reg. № 1 ЛИК of 30.04.2019 valid until 30.04.2023 and the enclosure Order for accreditation № A 19/30.04.2019 of EA BAS.

This Order shall be notified to SPECTRI LTD within 3 (three) days from its issuance.

**Eng. Irena Borislavova**  
**Executive Director of EA BAS**

