Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 333

Sofia, 30.08.2024

Pursuant of Art. 10, para. 1, item 2, Art. 20, para. 6 of the Law on National Accreditation of Conformity Assessment bodies, item 4.3.7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 524-ЛИ/29.09.2023, assessment report reg. № 524-ЛИ/4/В/15.02.2024, declaration reg. № 524-ЛИ/6/Р/01.07.2024 and statement of the Accreditation Commission reg. № 524-ЛИ/10/В/07.08.2024, I hereby

ACCREDIT

TECHNICAL UNIVERSITY OF SOFIA
VIBRO-ACOUSTIC LABORATORY

Management laboratory address: 1000 Sofia, Darvenitsa, 8 Sv. Kliment Ohridski Blvd.

To perform testing of:

Type of the scope: *fixed*

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
1.	Sound insulation of partition walls from airborne noise	1.1. Index of actual insulation of partition walls/floors from airborne noise 1.2. Weighted index of the actual insulation of the partition walls from airborne noise	БДС EN ISO 16283-1:2014 БДС EN ISO 16283-1:2014/ A1: 2018 БДС EN ISO 10140-2:2021 БДС EN ISO 10052:2021 БДС EN ISO 717-1:2021
2.	Sound insulation of floors from impact noise	2.1. Index of actual sound insulation from impact noise 2.2. Weighted index of the actual sound insulation from impact noise	БДС EN ISO 16283-2:2020 БДС EN ISO 10140-3:2021 БДС EN ISO 16205:2020 БДС EN ISO 10052:2021 БДС EN ISO 717-2:2021
3.	Sound insulation of building facades	3.1. Index of actual insulation of facades from airborne noise 3.2. Weighted index of the actual insulation of facades from airborne noise	БДС EN ISO 16283-3:2016 БДС EN ISO 10052:2021 БДС EN ISO 717-1:2021
4.	Acoustic output of machinery and equipment	4.1. Acoustic output level	БДС EN ISO 3741:2010 БДС EN ISO 3744:2010 /class 2/ БДС EN ISO 3745:2012 /class 1/ БДС EN ISO 3745:2012/A1:2017 БДС EN ISO 3746:2010 /class 3/ БДС EN ISO 9295:2015
5.	Sound absorption of materials	5.1. Sound absorption index	БДС EN ISO 354:2003 БДС EN ISO 11654:2004
6.	Environmental noise, in the premises of residential and public buildings	6.1. Equivalent noise level 6.2. Maximum A - weighted noise level	БДС ISO 1996-2:2017 БДС 15471:1982
7.	Vibrations in buildings, premises	7.1. RMS values of vibration displacement	ISO 4866:2010 DIN 45669-1:2020

Type of the scope: *fixed*			
№	**Tested products**	**Type of test/ characteristic**	**Testing methods (standard/ validated method)**
1	**2**	**3**	**4**
	and work environment	7.2. RMS values of vibration speed 7.3. RMS values of vibration acceleration	DIN 45669-2:2005
8.	Vibrations transmitted from human hands to upper arm	8.1. Daily value of vibration exposure	БДС ISO 5349-1:2002 БДС EN ISO 5349-2:2002 БДС EN ISO 5349-2:2001/ A1:2015
9.	Vibration of machinery and equipment	9.1. RMS values of vibration displacement 9.2. RMS values of vibration speed 9.3. RMS values of vibration acceleration	БДС ISO-20816-1:2018 БДС ISO-20816-2:2019 БДС ISO-20816-3:2022 БДС ISO-20816-4:2019 БДС ISO-20816-5:2019 БДС ISO-20816-8:2019 БДС ISO-20816-9:2021; БДС ISO-10816-6:2002 БДС ISO 10816-6:1995/ Amd 1:2019 БДС ISO-10816-7:2014;
10.	Vibration and impact testing of machines and facilities with an electrodynamic vibrator	10.1. RMS values of vibration displacement 10.2. RMS values of vibration speed 10.3. RMS values of vibration acceleration	БДС EN 60068-2-6:2008 БДС EN 60068-2-27:2009 БДС EN 60068-2-64:2008 БДС EN 60068-2-64:2008/ A1:2020
11.	Measurement of outside noise emitted by railway vehicles	11.1. Equivalent noise level 11.2. Maximum noise level /for stationary/rolling stock/ 11.3. Transit level of sound exposition 11.5. Equivalent noise level /for stationary/rolling stock/	БДС EN ISO 3095:2013

I ORDER

To issue the certificate of accreditation reg. № 312 ЛИ/30.08.2024, valid until 30.08.2028 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the rector of Technical University of Sofia, the head of the Vibro-Acoustic Laboratory at Technical University of Sofia, or other authorized person in the office of EA BAS.

This order shall be notified to Technical University of Sofia, within 3(three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS