



Republic of Bulgaria  
Executive Agency  
Bulgarian Accreditation Service



Signatory to the EA Multilateral Agreement in this field

## ORDER

№ A 635  
Sofia, 02.11.2022

Pursuant to Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 6 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 81/131 ЛИ/ПА/15.03.2022, assessment report reg. № 181/131 ЛИ/19/В/28.09.2022, declaration reg. № 181/131 ЛИ/18/Р/28.09.2022, and statement of the Accreditation Commission reg. № 181/131 ЛИ/ПА/22/В/21.10.2022, I hereby

### RE-ACCREDIT Construction Laboratory at Road Construction EOOD

Management address: 4000, Plovdiv, 22, Hristo G. Danov Str.

Laboratory address: 4113 Yagodovo, Plovdiv Region

#### To perform testing of:

Type of the scope: <i>flexible*</i>			
№	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
1.	Construction soils	1.1 Water content	БДС EN ISO 17892-1
		1.2 Granularity (Particle size distribution)	БДС EN 933-1
		1.3 Bulk density in place by method of replacement sand - degree of compaction	Methodology of the Ministry of Regional Development and Public Works - General Directorate of Roads, 1999
		1.4 Modulus of elasticity	БДС 15130
		1.5 Relation of deformation modules E2/E1	
		1.6 Plasticity Index - Plastic Limit - Liquid Limit	Ordinance РД-02-20-2 Appendix № 15 cl. 3 Appendix № 16 cl. 3
		1.7 Maximum bulk density (MBD) of the skeleton and optimum water content - Proctor test method	БДС 17146
		1.8 California bearing ratio (CBR)	БДС EN 13286-47
2.	Rock materials	2.1 Granularity (Particle size distribution)	БДС EN 933-1
		2.2 Percent of fine fraction passing through sieve 0.063 mm	БДС EN 933-1
		2.3 Weathering resistance /magnesium sulphate test/.	БДС EN 1367-2
		2.4 Particles density - apparent density - dried particle density - saturated and surface dried particle density	БДС EN 1097-6 cl. 7; cl. 8; cl. 9
		2.5 Water absorption	БДС EN 1097-6 cl. 7; cl. 8; cl. 9
		2.6 Sand equivalent	БДС EN 933-8
		2.7 Loose bulk density	БДС EN 1097-3
		2.8 Flakiness index	БДС EN 933-3
		2.9 Shape factor	БДС EN 933-4
		2.10 Percentage of particles with: - crushed and broken surfaces	БДС EN 933-5

Type of the scope: <i>flexible</i> *			
Nº	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
		- rounded surfaces - completely crushed and broken surfaces - completely rounded surfaces	
		2.11 Resistance to fragmentation under static load	БДС EN 206/ NA Appendix NA.Q
		2.12 Resistance to fragmentation (Los Angeles coefficient)	БДС EN 1097-2 cl.5
		2.13 Water absorption	БДС EN 1097-5
		2.14 Coefficient of variation of the particles size	БДС 2761**
		2.15 Particles length	БДС EN 13450
		2.16 Maximum bulk density (MBD) of the skeleton and optimum water content - Proctor test method	БДС EN 13286-2
		2.17 California bearing ratio (CBR)	БДС EN 13286-47
		2.18 Plasticity Index - Plastic Limit - Liquid Limit	Ordinance РД-02-20-2 Appendix № 15 cl. 3 Appendix № 16 cl. 3
		2.19 Modulus of elasticity	БДС 15130
		2.20 Relation of deformation modules E2/E1	
		2.21 Bulk density in place by method of replacement sand - degree of compaction	Methodology of the MRDPW - General Directorate of Roads, 1999
3.	Mineral flour (filler) for asphalt mixtures	3.1 Granularity (Particle size distribution)	БДС EN 933-1
4.	Asphalt mixtures	4.1 Determination of bulk density of specimens from asphalt mixtures	БДС EN 12697-6 Procedure A;B
		4.2 Maximum density	БДС EN 12697-5 Procedure A
		4.3 Air voids content (Va)	БДС EN 12697-8 cl. 4
		4.4 Soluble binder content	БДС EN 12697-1 Anex B, cl. B1.7
		4.5 Determination of particle size distribution	БДС EN 12697-2
		4.6 Stability determining, Marshall test (Stability)	БДС EN 12697-34
		4.7 Flow determining, Marshall test (Conditional Flow)	БДС EN 12697-34
		4.8 Asphalt specimens size	БДС EN 12697-29 cl. 4.1
5.	Placed and compacted Asphalt layers.	5.1 Thickness of asphalt pavement	БДС EN 12697-36 cl. 6.1
		5.2 Bulk density - of a bituminous specimen (nut) - of bituminous mixtures /conditional reference density/	БДС EN 12697-6 Procedure A
		5.3 Compression ratio	БДС EN 12697-9
		5.4 Irregularity measurement of pavement courses	БДС EN 13036-7
6.	Bitumens	6.1 Penetration	БДС EN 1426
		6.2 Determination of the softening point - Ring and Ball method	БДС EN 1427
		6.3 Elastic recovery	БДС EN 13398
7.	Bitumen emulsions	7.1 Efflux time (viscosity)	БДС EN 12846-1
8.	Concrete mixtures	8.1 Slump test	БДС EN 12350-2
		8.2 Density	БДС EN 12350-6
9.	Hardened concrete	9.1 Compressive strength	БДС EN 12390-3
		9.2 Water impermeability - depth of penetration	БДС EN 206/ NA.N
		9.3 Density	БДС EN 12390-7, cl. 6.6
10.	Steel for reinforcement of reinforced concrete structures Cement	10.1 Yield point.	БДС EN ISO 15630-1
		10.2 Tensile strength	БДС EN ISO 15630-1
		10.3 Mass per linear meter	БДС EN ISO 15630-1
11.	Cement	11.1 Compressive strength	БДС EN 196-1 cl.9.2

**To perform sampling of:**

Type of the scope: <i>flexible</i> *		
№	Product	Sampling method (standard / validated method)
1	2	3
1.	Rock materials	БДС EN 932-1 cl.8.2; cl.8.8
2.	Asphalt mixtures Placed and compacted asphalt layers	БДС EN 12697-27 cl.4.1 cl.4.7
3.	Concrete mixtures	БДС EN 12350-1

**\*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 laboratory.

**\*\*Note:** Repealed but not replaced standard, regarding the testing method (БДС 2761)

**References:**

Methodology of the MRDPW - General Directorate of Roads, 1999	Methodology for determination of Bulk density of construction soils in place by method of replacement sand - issued by the Ministry of Regional Development and Public Works - General Directorate of Roads, 1999
Ordinance РД-02-20-2 Appendix № 15	Appendix № 15 "Methodology for determination of the Liquid Limit of soils" specified in Art. 160(3) of the Ordinance № PA-02-20-2/28.08.2018 for roads design issued by the Ministry of Regional Development and Public Works, SG № 79/2018, amd. SG № 90/2018, effected as of 26.10.2018
Ordinance РД-02-20-2 Appendix № 16	Appendix № 16 "Methodology for determination of the Plastic Limit of soils" specified in Art. 160 (3) of the Ordinance № PA-02-20-2/28.08.2018 for roads design issued by the Ministry of Regional Development and Public Works, SG № 79/2018, amd. SG № 90/2018, effected as of 26.10.2018

**I ORDER**

To issue the certificate of accreditation reg. № 131 ЛИ/02.11.2022, valid until 02.11.2026, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager/representative of Road Construction EOOD, the head of the Construction Laboratory, at Road Construction EOOD 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 № 131 ЛИ/06.07.2022, valid until 02.11.2022 and its enclosure – EA BAS order reg. № A 419/06.07.2022.

This order shall be notified to Construction Laboratory, at Road Construction EOOD, within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

Executive Director of EA BAS

