REPUBLIC OF BULGARIA
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 181
Sofia, 30.03.2021

Pursuant to Art. 10, para. 1, item 2 of the Law on National Accreditation of Conformity Assessment Bodies and the relevant item 4.3.8 f) of BAS QR 2 Accreditation Procedure in connection with Report of On-site Assessment for Planned Supervision ref. № 294/6 ЛИ/16/В/30.09.2020, Annex G-2 ref. № 294/6 ЛИ/22/В/ 04.12.2020, Declaration ref. № 294/6 ЛИ/19/Р/21.10.2020г. and Order of EA BAS № A 180 of 30.03.2021, I hereby

AMEND

Certificate of accreditation of reg. № 6 ЛИ of 02.12.2019 and EA BAS ORDER № A 577 of 02.12.2019

LABIS EOOD
INDEPENDENT CONSTRUCTION LABORATORY LABIS

Address of the management: apt. 12, 6th floor, 6, Bunaya Street, 1505 Sofia
Address of the CAB: 2 Maritsa Street, 2110 Village of Novi Han, Elin Pelin Municipality

To perform testing of:

Type of Scope: flexible for part of the scope*			
No	**Tested products**	**Type of test / characteristic**	**Test methods (standard/validated method)**
1	**2**	**3**	**4**
1	Asphalt mixtures. Asphalt layers.	1.1. Bulk density of bituminous specimens	БДС EN 12697-6
		1.2. Maximum density	БДС EN 12697-5
		1.3. Air voids content in to asphalt specimens: - Air voids	БДС EN 12697-8
		1.4. Marshall resistance (stability)	БДС EN 12697-34
		1.5. Conditional plasticity Marshall (flow)	БДС EN 12697-34
		1.6 Marshall coefficient	БДС EN 12697-34
		1.7. Soluble binder content	БДС EN 12697-1

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Type of Scope: flexible for part of the scope*			
No	**Tested products**	**Type of test / characteristic**	**Test methods (standard/validated method)**
1	**2**	**3**	**4**
		1.8. Particle size distribution	БДС EN 12697-2
		1.9. Reference density	БДС EN 12697-9
		1.10. Degree of compaction	БДС EN 12697-9
		1.11. Deflection by Benkelman Beam	БДС 15131
		1.12. Thickness of asphalt layer	БДС EN 12697-36
		1.14. Irregularities on surface of the pavement	БДС EN 13036-7
2	Rock aggregates. Additive aggregates. Aggregates for railway ballast.	2.1. Particle size distribution	БДС EN 933-1
		2.2. Flakiness index	БДС EN 933-3
		2.3. Shape index	БДС EN 933-4
		2.4. Percentage content of: - crushed and broken surfaces - rounded surfaces - totally crushed and broken surfaces - totally rounded surfaces	БДС EN 933-5
		2.5. Sand equivalent	БДС EN 933-8
		2.6. Methylene blue value	БДС EN 933-9
		2.7. Resistance to fragmentation (Los Angeles coefficient)	БДС EN 1097-2
		2.8. Resistance to fragmentation by use of static load	БДС EN 206/NA
		2.9. Loose bulk density	БДС EN 1097-3
		2.10. Percentage of voids	БДС EN 1097-3
		2.11. Water content	БДС EN 1097-5
		2.12. Loss of mass to accelerated testing with Magnesium sulfate	БДС EN 1367-2
		2.13. Water absorption	БДС EN 1097-6
		2.14. Particle density: - apparent density of the particles - density of the particles in dry condition - density of the particles in water- saturated, surface-dry condition	БДС EN 1097-6
		2.15. Affinity between	БДС 11685

Type of Scope: flexible for part of the scope*			
No	**Tested products**	**Type of test / characteristic**	**Test methods (standard/validated method)**
1	**2**	**3**	**4**
		additive aggregate and bitumen	БДС EN 12697-11
3	Mineral filler	3.1. Particle size distribution	БДС EN 933-1
		3.2. Water content	БДС EN 1097-5
		3.3. Particle density of fine filler	БДС EN 1097-7
4	Bitumen and bituminous binders. Polymer-modified bitumens.	4.1. Penetration	БДС EN 1426
		4.2. Softening point by Ring and Ball method	БДС EN 1427
		4.3. Resistance to hardening under the influence of heat and air: - percentage of change of mass - percentage of retained penetration - change of softening point by Ring and Ball method	БДС EN 12607-1
		4.4. Solubility	БДС EN 12592
		4.5. Elastic recovery of modified bitumens	БДС EN 13398
		4.6. Storage stability: - difference of the softening point between upper and bottom layer - difference of the penetration between upper and bottom layer	БДС EN 13399
		4.7. Fraass braking point	БДС EN 12593
		4.8. Flash point	БДС EN ISO 2592
5	Materials for filling cracks and joints of asphalt pavement.	5.1. Penetration	БДС EN 13880-2
		5.2. Density at 25 °C	БДС EN 13880-1
		5.3. Penetration and recovery (resilience)	БДС EN 13880-3
		5.4. Heat resistance: - penetration after storage at high temperature - penetration and recovery (resilience) after storage at high temperature	БДС EN 13880-4
6	Bitumen emulsions. Polymer-modified bitumen emulsions.	6.1. Perceptible properties (type of surface; impurities; consistency; homogeneity; smell)	БДС EN 1425
		6.2. Efflux time (viscosity)	БДС EN 12846-1

Type of Scope: flexible for part of the scope*			
No	**Tested products**	**Type of test / characteristic**	**Test methods (standard/validated method)**
1	**2**	**3**	**4**
		6.3. Residue after sieving on sieve 0.500 mm. Residue after sieving on sieve 0.500 mm after "n" days of storage.	БДС EN 1429
		6.4. Particle polarity	БДС EN 1430
		6.5. Breaking value	БДС EN 13075-1
		6.6. Mixing stability with cement	БДС EN 12848
		6.7. Adhesivity by water immersion test	БДС EN 13614
		6.8. Residual binder by distillation	БДС EN 1431
7	Concrete mixtures	7.1. Slump	БДС EN 12350-2
		7.2. Density	БДС EN 12350-6
8	Concrete	8.1. Compressive strength	БДС EN 12390-3
		8.2. Flexural strength	БДС EN 12390-5
		8.3. Density	БДС EN 12390-7
		8.4. Impermeability	БДС EN 206+A1/NA (Annex NA.N)
		8.5. Depth of penetration of water under pressure	БДС EN 12390-8
		8.6. Resistance of freezing: - loss of mass - decrease of compressive strength	БДС EN 206+A1/NA (Annex NA.O, item NA.O.1 – base method)
		8.7. Determination of rebound number	БДС EN 12504-2
9	Construction soils. Unbound and hydraulically bound mixtures.	9.1. Particle size distribution	БДС EN 933-1 БДС EN ISO 17892-4
		9.2. Water content	БДС EN ISO 17892-1
		9.3. Bulk density	БДС EN ISO 17892-2
		9.4. Density of Soil In-Place by the Sand-Cone Method	AASHTO T 191 Appendix № 18 to Art. 168, para. 1 of Ordinance № RD-02-20-2 of 28.09.2018 for road design
		9.5. Liquid Limit	AASHTO T 89 Appendix № 15 to Art. 160, para. 3 of Ordinance № RD-02-

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No	**Tested products**	**Type of test / characteristic**	**Test methods (standard/validated method)**
1	**2**	**3**	**4**
			20-2 of 28.09.2018 for road design
		9.6. Plastic Limit. Plasticity Index.	AASHTO T 90 Appendix № 16 to Art. 160, para. 3 of Ordinance № RD-02-20-2 of 28.09.2018 for road design
		9.7. Elastic modulus. Deformation modulus. Deformation modulus ratio	БДС 15130
		9.8. Maximum dry density and optimum water content	БДС 17146 EN 13286-2
		9.9 California bearing ratio. Linear swelling	EN 13286-47
		9.10. Immediate bearing index	EN 13286-47

To perform sampling of:

Scope type: flexible for part of the scope*		
No	**Product**	**Sampling methods (standard/validated method)**
1	**2**	**3**
1	Asphalt mixtures. Asphalt layers.	БДС EN 12697-27
2	Rock aggregates. Additive aggregates. Aggregates for railway ballast.	БДС EN 932-1 БДС EN 13450
3	Bitumen and bituminous binders.	БДС EN 58
4	Concrete mixtures	БДС EN 12350-1
5	Unbound and hydraulically bound mixtures.	БДС EN 13286-1

References:

1. Ordinance No. RD-02-20-2 of 28 August 2018 on road design (promulgated SG, issue 79 of 2018, amend., issue 90 of 2018, effective as of 26.10.2018)

Flexible scope:

For standardized methods, which are part of the accreditation scope. Introduction of a new version of the standards, or standards that replace them, is allowed. The laboratory maintains an up-to-date list of the standards with their dated versions.

I HEREBY ORDER

To issue the Certificate of accreditation reg. № 6 ЛИ of 30.03.2021, valid until 02.12.2023 and this order enclosed as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from manager of LABIS EOOD, the head of the INDEPENDENT CONSTRUCTION LABORATORY LABIS at LABIS EOOD, 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. № 6 ЛИ of 02.12.2019 valid until 02.12.2023 and the enclosure Order for accreditation № 577/02.12.2019 of EA BAS.

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



Eng. Irena Borislavova
Executive Director of Executive Agency
"Bulgarian Accreditation Service"