REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 231

Sofia, 11.07.2025

Pursuant to Art. 10, para. 1, item 3, to Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, and item 7.3 of the BAS QR 2 Accreditation Procedure in connection with an open procedure reg. № 35/46 ЛИ/РО/22.01.2025, report reg. № 35/46 ЛИ/7/В/14.04.2025, annex reg. № 35/46 ЛИ/11/В/20.05.2025 and statement of the Accreditation Commission reg. № 35/46 ЛИ/РО/12/В/20.06.2025, I hereby

EXTEND THE SCOPE OF ACCREDITATION

AB AD

CONSTRUCTION TESTING LABORATORY

Management address:
6300 Haskovo, 38 Saedinenie Blvd.

Laboratory addresses:
Office I Stationary: 6300 Haskovo, Asphalt Plant Krepost of AB AD
Office II Mobile: 5761 Brestnitsa, Yablanitsa Municipality, Lovech Region, Asphalt Plant of AB AD

To perform testing of:
Address I: Stationary office

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
1.	Aggregates	1.1 Particle size distribution	БДС EN 933-1
		1.2 Shape index	БДС EN 933-4
		1.3 Flakiness index	БДС EN 933-3
		1.4 Magnesium sulfate value	БДС EN 1367-2
		1.5 Water content	БДС EN 1097-5
		1.6 Particle density and water absorption: - apparent particle density, ρ_a; - oven-dried particle density, ρ_{rd}; - saturated and surface-dried particle density, ρ_{ssd}; - water absorption, W_{24}	БДС EN 1097-6 Wire basket method/ Pycnometric method
		1.7 Loose bulk density	БДС EN 1097-3
		1.8 Sand equivalent	БДС EN 933-8+A1
		1.9 Percentage of: - totally crushed particles	БДС EN 933-5

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Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		- partially crushed particles, - totally rounded particles	
		1.10. Affinity between aggregates and bitumen	БДС 11685
2.	Asphalt concrete mixtures for bituminous pavements (1) and compacted layers (2)	2.1 Bulk density	БДС EN 12697-6 (1), (2)
		2.2 Maximum density	БДС EN 12697-5 (1)
		2.3 Stability and flow by Marshall test	БДС EN 12697-34 (1)
		2.4 Soluble binder content	БДС EN 12697-1 (1) Automatic extractor method
		2.5 Particle size distribution	БДС EN 12697-2+A1 (1)
		2.6 Compaction degree of bituminous layers	БДС EN 12697-9* (2)
		2.7 Air voids content	БДС EN 12697-8 (1)
		2.8 Dimensions of bituminous pavement /destructive measurement/	БДС EN 12697-36 (2)
		2.9 Dimensions of asphalt test specimen	БДС EN 12697-29 (1)
		2.10 Binder drainage	БДС EN 12697-18 (1), Beaker method
		2.11 Irregularities of pavement course	БДС EN 13036-7 (2)
		2.12 Indirect tensile strength	БДС EN 12697-23 (1)
		2.13 Indirect tensile strength ratio	БДС EN 12697-12 (1), Method A
3.	Mineral filler for asphalt concrete mixtures	3.1 Particle size distribution	БДС EN 933-1
		3.2 Water content	БДС EN 1097-5
4.	Viscous petroleum bitumen for road construction	4.1 Penetration	БДС EN 1426
		4.2 Softening point by the Ring-ball method	БДС EN 1427
		4.3 Elastic recovery	БДС EN 13398
5.	Construction soils (1) Unbound mixtures (2) Hydraulically bound mixtures (3)	5.1 Particle size distribution	БДС EN 933-1 (1), (2), (3)
		5.2 California bearing ratio, CBR	БДС EN 13286-47 (1), (2), (3)
		5.3 Maximum bulk density of the skeleton and optimum water content by Proctor method	БДС 17146 (1), (2), (3) БДС EN 13286-2 (1), (2), (3)
		5.4 Determination of elastic and deformation moduli by the round plate load test: 5.4.1 Elastic modulus (Ee); 5.4.2 Deformation moduli (E1, E2, E3); 5.4.3 Deformation moduli ratio E2/E1	БДС 15130 (1), (2), (3)
		5.5 Bulk density in-place by the sand-replacement method	Ordinance № РД-02-20-2, Annex № 18 (1), (2), (3)
		5.6 Compaction degree	Ordinance № РД-02-20-2, Annex №18 (1), (2), (3)
		5.7 Liquid limit	Ordinance № РД-02-20-2, Annex № 15 (1), (2)
		5.8 Plasticity limit. Plasticity index.	Ordinance № РД-02-20-2, Annex № 16 (1), (2)
		5.9 Deformation moduli (E1, E2, E3);	Ordinance № 55, SG 18/2004, Art. 47 (1), (2), (3)

Address II: Mobile office

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
1.	Aggregates	1.1. Particle size distribution	БДС EN 933-1
		1.2. Shape index	БДС EN 933-4
		1.3. Flakiness index	БДС EN 933-3
		1.4 Sand equivalent	БДС EN 933-8+A1
		1.5 Water content	БДС EN 1097-5
		1.6 Particle density and water absorption: - apparent particle density, ρ_a; - oven-dried particle density, ρ_{rd}; - saturated and surface-dried particle density, ρ_{ssd}; - water absorption, W_{24}	БДС EN 1097-6 Wire basket method/ Pycnometric method
		1.7 Percentage of: - totally crushed particles - partially crushed particles, - totally rounded particles	БДС EN 933-5
		1.8 Particles' length	БДС EN 13450, cl. 6.7
2.	Asphalt concrete mixtures for bituminous pavements (1) and compacted layers (2)	2.1 Bulk density	БДС EN 12697-6 (1) (2)
		2.2 Maximum density	БДС EN 12697-5 (1)
		2.3 Stability and flow by Marshall test	БДС EN 12697-34 (1)
		2.4 Soluble binder content	БДС EN 12697-1 (1) Automatic extractor method
		2.5 Particle size distribution	БДС EN 12697-2+A1 (1)
		2.6 Compaction degree of bituminous layers	БДС EN 12697-9* (2)
		2.7 Air voids content	БДС EN 12697-8 (1)
		2.8 Dimensions of bituminous pavement /destructive measurement/	БДС EN 12697-36 (2)
		2.9 Dimensions of asphalt specimen	БДС EN 12697-29 (1)
		2.10 Binder drainage	БДС EN 12697-18 (1), Beaker method
3.	Mineral filler for asphalt concrete mixtures	3.1 Particle size distribution	БДС EN 933-1
		3.2 Water content	БДС EN 1097-5
4.	Viscous petroleum bitumen for road construction	4.1 Penetration	БДС EN 1426
		4.2 Softening point by the Ring-ball method	БДС EN 1427
		4.3 Elastic recovery	БДС EN 13398
5.	Construction soils (1) Unbound mixtures (2) Hydraulically bound mixtures (3)	5.1 Determination of elastic and deformation moduli by the round plate load test: 5.1.1 Elastic modulus (Ee); 5.1.2 Deformation moduli (E1, E2, E3); 5.1.3 Deformation moduli ratio E2/E1	БДС 15130 (1), (2), (3)

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		5.2 Particle size distribution	БДС EN 933-1 (1), (2), (3)
		5.3 Maximum bulk density of the skeleton and optimum water content by Proctor method	БДС EN 13286-2 (1), (2), (3)
		5.4 California bearing ratio, CBR	БДС EN 13286-47 (1), (2), (3)
		5.5 Bulk density in-place by the sand-replacement method	Ordinance № РД-02-20-2, Annex № 18 (1), (2), (3)
		5.6 Compaction degree	Ordinance № РД-02-20-2, Annex № 18 (1), (2), (3)
		5.7 Liquid limit	Ordinance № РД-02-20-2, Annex № 15 (1), (2)
		5.8 Plasticity limit. Plasticity index.	Ordinance № РД-02-20-2, Annex № 16 (1), (2)
		5.9 Deformation moduli (E1, E2, E3);	Ordinance № 55, SG 18/2004, Art. 47 (1), (2), (3)
		5.10 Compressive strength	БДС EN 13286-41 (3)
		5.11 Water content	БДС EN 1097-5 (1), (2), (3)
6.	Fresh concrete	6.1 Slump	БДС EN 12350-2
		6.2 Density	БДС EN 12350-6
7.	Hardened concrete	7.1 Compressive strength	БДС EN 12390-3
		7.2 Density of hardened concrete	БДС EN 12390-7
		7.3 Irregularities of pavement course	БДС EN 13036-7
8.	Waterproofing	8.1 Tensile strength	Technical rules on the design and technology for the construction of the waterproofing of reinforced concrete bridges of the Chief Office Roads: 1997, Annex 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 the CAB.*

References:

1. Ordinance № РД-02-20-2 of 28.08.2018 for road design of Ministry of Regional Development and Public Works /MRDPW/ (promulgated in SG № 79 of 2018, amended in SG № 90 of 2018, in force from 26.10.2018)

1.1 Annex № 15: Method for determination of liquid limit of soils.

1.2 Annex № 16 Method for determination of plastic limit and plasticity index of soils.

1.3 Annex № 18 Method for determination of bulk density of construction soils in-place by the sand-replacement method.

2. Ordinance № 55 of 29.01.2004 on the design and construction of railway lines, railway stations, railway level crossings and other elements of railway infrastructure (promulgated in SG № 18 of 2004, Art. 47).

3. Technical rules on the design and technology for the construction of the waterproofing of reinforced concrete bridges of the Chief Office Roads: 1997, Annex 1.

I ORDER

To issue the certificate of accreditation reg. № 46 ЛИ/11.07.2025, valid until 29.05.2028, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager/ representative of AB AD, Haskovo, the head of the Construction Testing Laboratory, at AB AD, Haskovo, 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 № 46 ЛИ /29.05.2024, valid until 29.05.2028 and its enclosure – EA BAS order reg. № A 207/29.05.2024.

This order shall be notified to AB AD, Haskovo within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director
of Executive agency Bulgarian accreditation service