



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 137

Sofia, 29.04.2025

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 6 and 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 349/269 ЛИ/ПА/РО/05.09.2024, assessment report reg. № 349/269 ЛИ/4/В/12.12.2024, declaration reg. № 349/269 ЛИ/6/П/23.12.2024, annex reg. № 349/269 ЛИ/2/В/24.01.2025 and statement of the Accreditation Commission reg. № 349/269 ЛИ/ПА/РО /5/В/31.03.2025, I hereby

**RE-ACCREDIT
AND EXTEND THE SCOPE OF ACCREDITATION**

**of SOFIA ASPHALT LTD.
ROAD TESTING LABORATORY**

Management and laboratory address:

4441 Hadzhievo, Pazardzhik Municipality, Pazardzhik Region, Asphalt Base

To perform testing of:

Type of the scope: flexible*			
№	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
1.	Concrete and mortar additives - coarse, sand and fine fillers	1.1 Grain size composition	БДС EN 933-1
		1.2 Bulk density	БДС EN 1097-3
		1.3 Grain density and water absorption: - absolute grain density (ρ_a); - dry grain density (ρ_{rd}); - grain density in a water-saturated-surface-dry-state (ρ_{ssd}); - water absorption (WA_{24});	БДС EN 1097-6
		1.4 Water content	БДС EN 1097-5
		1.5 Form factor	БДС EN 933-4
		1.6 Flat grains index	БДС EN 933-3
		1.7 Sand equivalent	БДС EN 933-8+A1
		1.8 Methylene blue value	БДС EN 933-9
		1.9 Frost resistance - resistance to freezing and thawing	БДС EN - 1367-1

Type of the scope: flexible*

№	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
		1.10 Frost resistance - Magnesium sulfate test (Mg_2SO_4)	БДС EN 1367-2
		1.11 Fragility resistance - Los Angeles Ratio	БДС EN 1097-2
		1.12 Fragility resistance of large additive material under static load	БДС EN 206+A2/NA, Annex NA.Q
		1.13. Content of particles with a size below 0.063 mm (Fine fraction content)	БДС EN 933-1
		1.14. Wear resistance - micro-Deval coefficient	БДС EN 1097-1
		1.15. Accelerated polishing coefficient (polishing resistance)	БДС EN 1097-8
2.	Rock materials for bituminous mixtures, construction equipment and road construction – coarse-grained, fine-grained (natural and crushed sand), fine aggregates	2.1 Grain size composition	БДС 2880 БДС EN 933-1
		2.2 Bulk density	БДС EN 1097-3
		2.3 Grain density and water absorption: - absolute grain density (ρ_a); - dry grain density (ρ_{rd}); - grain density in a water-saturated-surface-dry-state (ρ_{ssd}); - water absorption (WA_{24});	БДС EN 1097-6
		2.4 Water content	БДС EN 1097-5
		2.5 Content of particle of a size below 0,063 mm (Fine fraction content)	БДС EN 933-1
		2.6 Form factor	БДС EN 933-4
		2.7 Flat grains index	БДС EN 933-3
		2.8 Sand equivalent	БДС EN 933-8+A1
		2.9 Percentage of grains with broken and crushed surfaces	БДС EN 933-5
		2.10 Methylene blue value	БДС EN 933-9
		2.11 Frost resistance - resistance to freezing and thawing	БДС EN 1367-1
		2.12 Frost resistance - Magnesium sulfate test (Mg_2SO_4)	БДС EN 1367-2
		2.13 Fragility resistance - Los Angeles Ratio	БДС EN 1097-2
		2.14 Humidity	БДС 2880
		2.15 Fine filler particles density	БДС EN 1097-7
		2.16 Flow limit	AASHTOT 89 Annex 15 to Ordinance № ПД-02-20-2 on road design
		2.17 Plasticity limit. Plasticity index.	AASHTO T 90

Type of the scope: flexible*

№	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
			Annex 16 to Ordinance № ПД-02-20-2 on road design БДС 11685 БДС EN 12697-11, Boiling Stripping Method БДС EN 13286-2 БДС 17146 БДС EN 13286-47 БДС 15130 АASHTO T 191 БДС EN 1097-1 БДС EN 1097-8 БДС EN 13242+A1/NA
3.	Soils for construction	3.1 Water content 3.2 Specific density 3.3 In-situ density of soil by sand replacement method 3.4 Flow limit 3.5 Plasticity limit. Plasticity index. 3.6 Standard density and optimum water content. Proctor method / Maximum skeletal bulk density and optimum water content. Proctor method 3.7 California bearing ratio (CBR). Linear swelling 3.8 Elastic and deformation module: - Elastic module; - Deformation modules;	БДС 644** БДС 646** АASHTO T 191 АASHTOT 89 Annex 15 to Ordinance № ПД-02-20-2 on road design АASHTO T 90 Annex 16 to Ordinance № ПД-02-20-2 on road design БДС EN 13286-2 БДС 17146 БДС EN 13286-47 БДС 15130

Type of the scope: <i>flexible</i> *			
№	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
		- E2 / E1 deformation modules ratio;	
4.	Asphalt mixtures	4.1 Air pores content.	БДС EN 12697-8
		4.2 Water sensitivity of asphalt test body	БДС EN 12697-12 Indirect loading method
		4.3 Marshall stability; Marshall flow	БДС EN 12697-34
		4.4 Binder drainage, Schellenberg method	БДС EN 1269-18
		4.5 Bulk density	БДС EN 12697-6
		4.6 Maximum density	БДС EN 12697-5
		4.7 Particle size distribution	БДС EN 12697-2
		4.8 Soluble binder content	БДС EN 12697-1 Centrifugal Extraction Method
		4.9 Indirect tensile strength of asphalt test samples	БДС EN 12697-23
5.	Asphalt layers	5.1 Bulk density	БДС EN 12697-6
		5.2 Compaction degree	БДС EN 12697-9**
		5.3 Measurement of macrotexture depth using a sand spot (roughness)	БДС EN 13036 - 1 БДС 17143
		5.4 Dimensions of asphalt test body. Layer thickness	БДС EN 12697-29 БДС EN 12697-36 Destruction method
		5.5 Unevenness	БДС EN 13036-7
6.	Concrete mixtures	6.1 Compaction /consistency/	БДС EN 12350-2
7.	Concrete	7.1 Compression strength	БДС EN 12390-3
		7.2 Density	БДС EN 12390-7
8.	Bitumen and bituminous binders	8.1 Penetration (needle penetration)	БДС EN 1426
		8.2 Softening point	БДС EN 1427
		8.3 Elastic restoration of modified bitumen	БДС EN 13398
9.	Asphalt paste for pouring joints on road surfaces	9.1 Appearance	БДС 4551
		9.2 Frost resistance	БДС 4551
		9.3 Bitumen content	БДС 4551
10.	Bitumen emulsions	10.1 Particle polarity	БДС EN 1430
		10.2 Sieve residue on a sieve of 0.500 mm	БДС EN 1429
		10.3 Storage stability (sieve residue on a sieve of 0.500 mm after 7 days)	БДС EN 1429
11.	Track ballast	11.1. Grain size distribution	БДС EN 933-1
		11.2. Content of particles with a size below 0.063 mm (Fine fraction content)	БДС EN 933-1
		11.3. Content of particles with a size below 0.5 mm (Fine fraction content)	БДС EN 933-1

Type of the scope: <i>flexible</i> *			
№	Tested products	Type of test/characteristic	Testing methods (standard / validated method)
1	2	3	4
		11.4. Frost resistance - Magnesium sulfate test (Mg_2SO_4)	БДС EN 1367-2
		11.5. Grain density and water absorption: - absolute grain density (ρ_a); - dry grain density (ρ_{rd}); - grain density in a water-saturated-surface-dry-state (ρ_{ssd}); - water absorption (WA_{24});	БДС EN 1097-6
		11.6. Flat grains index	БДС EN 933-3
		11.7. Form factor	БДС EN 933-4
		11.8. Fragility resistance - Los Angeles Ratio	БДС EN 1097-2
		11.9. Wear resistance - micro-Deval coefficient	БДС EN 1097-1
		11.10. Grain length	БДС EN 13450/AC

To perform sampling of:

Type of the scope: <i>flexible</i> *		
№	Product	Sampling method (standard/validated)
1	2	3
1.	Concrete and mortar additives - coarse, sand and fine fillers	БДС EN 932-1
2.	Rock materials for bituminous mixtures, construction equipment and road construction – coarse-grained, fine-grained (natural and crushed sand), fine fillers	БДС EN 932-1
3.	Soils for construction;	БДС EN 13286-1
4.	Asphalt mixtures	БДС EN 12697-27
5.	Asphalt layers	БДС EN 12697-27
6.	Concrete mixtures	БДС EN 12350-1
7.	Bitumen and bituminous binders	БДС EN 58
8.	Track ballast	БДС EN 932-1

****Repealed but not replaced standard with regard to the testing method.**

***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.

Reference:

1. Annex № 15 to Art. 160, cl. 3 of Regulation № ПД-02-20-2/28.08.2018 on road design of the Ministry of Regional Development and Public Works: Method for determining the flow limit of soils;
2. Annex № 16 to Art. 160, cl. 3 of Regulation № ПД-02-20-2/28.08.2018 on road design of the Ministry of Regional Development and Public Works: Method for determining the drainage limit and the plasticity index of soils;

I ORDER

To issue the certificate of accreditation reg. № 269 ЛИ/29.04.2025, valid until 29.04.2029, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of the Sofia Asphalt LTD, the head of the Road testing laboratory at Sofia Asphalt LTD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of certificate of accreditation reg. № 269 ЛИ/16.10.2023, valid until 29.04.2025 and its enclosure EA BAS order reg. № A 447/16.10.2023.

This order shall be notified to the Sofia Asphalt LTD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director
of Executive Agency Bulgarian Accreditation Service

