



ORDER

№ A 295

Sofia, 26.07.2024

Pursuant of Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment bodies, item 6 of the BAS QR 2 Accreditation Procedure in connection with an open procedure reg. № 20/4 ЛИ/ПА/РО/16.01.2024, report reg. № 20/4 ЛИ/ПА/РО/12/В/11.06.2024 and statement of the Accreditation Commission reg. № 20/4 ЛИ/ПА/РО/13/В/05.07.2024, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

**of AVTOMAGISTRALI – TCHERNO MORE JSC,
COMPANY ROAD LABORATORY**

Management address: 9700 Shumen, 8 Aleko Konstantinov Str.,

Laboratory address: 9700 Shumen, 1 Teke Dere, Asphalt Plant,

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.	Aggregates for: Concrete (1);	1.1. Particle size distribution	БДС EN 933-1 (1;2;3)
		1.2. Assessment of fines	БДС EN 933-1 (1;2;3)
		1.3. Resistance to segregation under static load	БДС EN 206:2013 +A2/NA(1) Annex NA.Q
	Bituminous mixtures and surface treatments for roads and other trafficked areas (2);	1.4. Resistance to fragmentation (Los Angeles test)	БДС EN 1097-2 (1;2;3)
		1.5. Flakiness index	БДС EN 933-3 (1;2;3)
	Unbound and hydraulically bound materials for use in civil engineering work and road construction (3).	1.6. Shape index	БДС EN 933-4 (1;2;3)
		1.7. Loose bulk density	БДС EN 1097-3 (1;2;3)
		1.8. Thermal and weathering properties of aggregates. Magnesium sulfate test	БДС EN 1367-2 (1;2;3)
		1.9. Water content	БДС EN 1097-5 (1;2;3)
		1.10. Sand equivalent test	БДС EN 933-8+A1 (1;2;3)
		1.11. Methylene blue test	БДС EN 933-9 (1;2;3)
		1.12. Liquid Limit of Soils	AASHTO T 89 (3)
		1.13. Plastic Limit and Plasticity Index of Soils	AASHTO T 90 (3)

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		1.14. Particle density: - Apparent particle density; - Oven-dried particle density; - Saturated and surface dried particle density.	БДС EN 1097-6 (1;2;3), cl. 7, cl. 8 and cl. 9
		1.15. Test for Density of Soil In-Place by the Sand-Cone Method	AASHTO T 191 (3)
		1.16. Dry density and water content. Proctor compaction	БДС EN 13286-2 (3) cl. 7.1, cl. 7.2, cl. 7.4 and cl. 7.5, БДС 17146 (3), cl. 3.3.1 and cl. 3.3.2
		1.17. Determination of the modulus of elasticity, the moduli of deformation (E1) and (E2) and the deformation ratio (E2/E1)	БДС 15130 (3)
		1.18. California bearing ratio (CBR)	БДС EN 13286-47 (3)
		1.19. Affinity between aggregate and bitumen	БДС 11685 (2), БДС EN 12697-11, cl. 7 (2)
		1.20. Irregularity measurement of pavement courses	БДС EN 13036-7 (3)
		1.21. Determination of percentage of crushed particles: - Crushed particles; - Totally crushed particles; - Totally rounded particles.	БДС EN 933-5 (2)
		1.22. Relative proportions of constituent materials of coarse recycled aggregate	БДС EN 933-11 (3)
		1.23. Uniformity coefficient (based on particle size distribution determined according to BDS EN 933-1)	БДС EN 13242+A1/NA
2.	Fillers and fine aggregates for bituminous mixtures	2.1. Particle size distribution	БДС EN 933-1
		2.2. Water content	БДС EN 1097-5
		2.3. Particle density of filler	БДС EN 1097-7
		2.4. Bitumen number	БДС EN 13179-2
		2.5. Softening point by delta ring and ball test	БДС EN 13179-1
		2.6. Determination of water solubility	БДС EN 1744-1+A1
		2.7. Methylene blue test	БДС EN 933-9
		2.8. Determination of the voids	БДС EN 1097-4
3.	Concrete (1);	3.1. Compressive strength	БДС EN 12390-3 (1)

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
	Fresh concrete (2)	3.2. Resistance against freeze-thaw cycles: - Weight loss; - Compressive strength loss.	БДС EN 206:2013+A2/NA (1) Annex NA.O.1
		3.3. Slump test	БДС EN 12350-2 (2)
		3.4. Density of hardened concrete	БДС EN 12390-7/AC (1)
		3.5. Irregularity measurement of pavement courses	БДС EN 13036-7 (1)
4.	Mortars for masonry (cement/air-lime mortars and air-lime mortars)	4.1. Flexural strength	БДС EN 1015-11
		4.2. Compressive strength	БДС EN 1015-11
		4.3. Consistence	БДС EN 1015-3/A1/A2
5.	Cement	5.1. Standard consistence	БДС EN 196-3
		5.2. Setting times	БДС EN 196-3
		5.3. Strength	БДС EN 196-1
		5.4. Soundness	БДС EN 196-3
6.	Bitumen	6.1. Needle penetration	БДС EN 1426
		6.2. Softening point - Ring and Ball method	БДС EN 1427
		6.3. Elastic recovery of modified bitumen	БДС EN 13398
7.	Soils for civil engineering purposes	7.1. Particle size distribution	БДС EN 933-1
		7.2. Water content	БДС EN 1097-5
		7.3. Particle density: - Apparent particle density; - Oven-dried particle density; - Saturated and surface dried particle density	БДС EN 1097-6, cl. 7, cl. 8 and cl. 9
		7.4. Test for Density of Soil In-Place - by the Sand-Cone Method Determination of bulk density - by immersion in fluid method	AASHTO T 191 БДС EN ISO 17892-2, cl. 5.2
		7.5. Liquid Limit of Soils	AASHTO T 89
		7.6. Plastic Limit and Plasticity Index of Soils	AASHTO T 90
		7.7. Dry density and water content. Proctor compaction	БДС EN 13286-2 (3) cl. 7.1, cl. 7.2, cl. 7.4 and cl. 7.5, БДС 17146 (3) cl. 3.3.1 and cl. 3.3.2
		7.8. Determination of the modulus of elasticity, the moduli of deformation (E1) and (E2) and the deformation ratio (E2/E1)	БДС 15130
		7.9. California bearing ratio (CBR)	БДС EN 13286-47

Type of the scope: flexible			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
8.	Bituminous mixtures Hot mix asphalt (1); Placed and compacted asphalt pavements (2)	8.1. Bulk density	БДС EN 12697-6 (1;2) Procedures: A; B; D
		8.2. Maximum density	БДС EN 12697-5 (1) Procedure A
		8.3. Void characteristics	БДС EN 12697-8 (1)
		8.4. Marshall test (stability)	БДС EN 12697-34 (1)
		8.5. Marshall test (flow)	БДС EN 12697-34 (1)
		8.6. Soluble binder content	БДС EN 12697-1 (1;2) Annex B, cl. B1.7
		8.7. Particle size distribution	БДС EN 12697-2+A1 (1;2)
		8.8. Reference density	БДС EN 12697-9* (2) cl. 6.1.1
		8.9. Irregularity measurement of pavement courses	БДС 17143 (2) БДС EN 13036-7 (2)
		8.10. Slip resistance of pavement courses	БДС 17143 (2)
		8.12. Dimensions of a bituminous specimen	БДС EN 12697-29 (1)
		8.12. Thickness of a bituminous pavement	БДС EN 12697-36 (2) Destructive Method
		8.13. Temperature of asphalt mixtures	БДС EN 12697-13 (1)
9.	Flexible sheets for waterproofing	9.1. Bond strength	БДС EN 13596

To perform sampling of:

Type of the scope: flexible		
№	Product	Sampling methods (standard/validated method)
1	2	3
1.	Aggregates	БДС EN 932-1
2.	Fillers and fine aggregates for bituminous mixtures	БДС EN 932-1
3.	Concrete and fresh concrete	БДС EN 12350-1
4.	Mortars for masonry	БДС EN 1015-2/A1
5.	Cement	БДС EN 196-7
6.	Bitumen	БДС EN 58
7.	Soils for civil engineering purposes	БДС 17146 БДС EN 13286-1
8.	Bituminous mixtures	БДС EN 12697-27

**Repealed but not replaced standard.*

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 laboratory.

I ORDER

To issue the certificate of accreditation reg. № 4 ЛИ/26.07.2024, valid until 26.07.2028 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager / representative of the Avtomagistrali – Tcherno More Jsc, head of the Company Road Laboratory at Avtomagistrali – Tcherno More Jsc, 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 the certificate of accreditation reg. № 4 ЛИ/22.05.2023, valid until 29.07.2024 and an enclosure - EA BAS order reg.№ A 217/22.05.2023 as an integral part of it.

This order shall be notified to the Avtomagistrali – Tcherno More Jsc, within 3(three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

