



ORDER

№ A 228

Sofia, 06.06.2023

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, para. 1 and Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, items 6 and 7 of the BAS QR 2 Accreditation Procedure in connection with an open procedure reg. № 412/91 ЛИ/ПА/РО/26.04.2022, assessment reports reg. № 412/91 ЛИ/3/В/22.03.2023, 412/91 ЛИ/ПА/РО/8/В/07.04.2023 and statement of the Accreditation Commission reg. № 412/91 ЛИ/ПА/РО/9/В/25.05.2023, I hereby

REACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

of Patengineeringstroy-T JSC

Road Laboratory

Management address: 7700 Targovishte, 40 Treti Mart Str, P.O.Box 16

Laboratory address: 7760 Lilyak, Targovishte Region, Asphalt base Lilyak

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
I.	Rock materials (crushed)	I.1 Grain size composition	БДС EN 933-1
		I.2 Index for flat grains	БДС EN 933-3
		I.3 Percentage of - whole grains crushed - crushed grains - fully rounded grains	БДС EN 933-5
		I.4 Magnesium sulfate value	БДС EN 1367-2
		I.5 Hummus content	БДС EN 1744 -1 cl. 15.1
		I.6 Bulk density	БДС EN 1097-3
		I.7 Water content	БДС EN 1097-5
		I.8 Adhesion of crushed rock material with organic binders	БДС 11685
		I.9 Grain density and water absorption -Specific density ρ_a -Volume density in dry state -Density in the saturated-surface dry state ρ_{ssd}	БДС EN 1097-6 cl. 7, cl. 8 and cl. 9

Type of the scope: <i>flexible</i> *			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		-Water absorption WA24	
		I.10 Methylene blue value	БДС EN 933-9
		I.11 Sand equivalent	БДС EN 933 - 8
		I.12 Resistance to crushing (fragility)	БДС EN 1097-2 cl. 5
		I.13 Form factor	БДС EN 933-4
		I.14 Percentage of light particles	БДС EN 1744 -1 cl. 14.2
		I.15 Particle density of fine aggregate	БДС EN 1097-7
		I.16 Resistance to crushing under static load	БДС EN 206/NA + A2 Annex NA.Q
		I.17 Maximum skeletal bulk density at optimum water content	БДС EN 13286- 2 cl. 7.1, cl. 7.2, cl. 7.4 and cl. 7.5
		I.18 California carrying capacity index. Linear swelling	БДС EN 13286-47
		I.19 Elastic and deformation modulus by circular plate loading. -Elastic modulus Ee -Deformation modules E1, E2, E3 -Ratio of deformation modules E2/E1	БДС 15130
		I.20 Liquid limits Plastic limits Plasticity index	БДС EN ISO 17892-12 cl. 5.3 and cl. 5.5
II.	Asphalt mixtures	II.1 Bulk density	БДС EN 12697- 6
		II.2 Maximum density	БДС EN 12697- 5
		II.3 Air pore content	БДС EN 12697- 8 cl. 4
		II.4 Marshall test -Durability -Conditional plasticity	БДС EN 12697- 34
		II.5 Soluble binder content	БДС EN 12697-1, Annex B cl. B1.7 and cl. B2.1
		II.6 Particle size distribution	БДС EN 12697-2
		II.7 Adhesion between rock material and bitumen	БДС EN 12697-11 cl. 7
		II 8 Temperature	БДС EN 12697-13
		II.9 Asphalt pavement thickness	БДС EN 12697-36 cl.6.1
		II.10 Conditional comparative density. Degree of compaction	БДС EN 12697-9**
III.	Bitumens and bituminous binders	III 1 Needle penetration	БДС EN 1426
		III.2 Softening temperature. Ring and ball method	БДС EN 1427
		III.3 Effluent time by flow viscometer	БДС EN 12846-1
		III.4 Residue after sieving through a 0.500 mm sieve	БДС EN 1429

Type of the scope: <i>flexible</i> *			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		Residue after sieving on a 0.500 mm sieve after "n" days of storage	
		III.5 Recovered binder after distillation	БДС EN 1431
		III.6 Adhesion of bituminous emulsions by immersion test in water	БДС EN 13614
		III.7 Elastic recovery	БДС EN 13398
		III.8 Density. Specific weight.	БДС EN 15326
IV.	Building soils	IV.1 Water content	БДС EN ISO 17892-1
		IV.2 Bulk density	БДС EN ISO 17892-2 cl. 5.1 и cl. 5.2
		IV.3 Maximum skeletal bulk density at optimum water content	БДС EN 13286- 2 cl. 7.1, cl. 7.2, cl. 7.4 and cl. 7.5
		IV.4 Grain size composition	БДС EN 933-1
		IV.5 In situ soil density by sand cone method	AASHTO T 191
		IV.6 California carrying capacity index. Linear swelling	БДС EN 13286-47
		IV.7 Elastic and deformation modulus by circular plate loading. -Elastic modulus Ee -Deformation modules E1, E2, E3 -Ratio of deformation modules E2/E1	БДС 15130
		IV.8 Liquid limits Plastic limits Plasticity index	БДС EN ISO 17892-12 cl. 5.3 and cl. 5.5
V.	Concrete	V.1 Subsidence	БДС EN 12350-2
		V.2 Density	БДС EN 12350-6
		V.3 Compressive strength of specimens	БДС EN 12390-3

To perform sampling of:

Type of the scope: <i>flexible</i> *		
№	Products	Sampling methods (standardized/validated)
1	2	3
1	Rock materials (crushed)	БДС EN 932-1
2	Asphalt mixtures	БДС EN 12697-27
3	Bitumens and bituminous binders	БДС EN 58 cl. 8.1
4	Building soils	БДС EN 13286-1
5	Concrete	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 CAB.

****Repealed but not replaced standard.**

I ORDER

To issue the certificate of accreditation reg. № 91 ЛИ/06.06.2023, valid until 06.06.2027, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of the Patengineeringstroy-T JSC, the head of Road laboratory, at Patengineeringstroy-T JSC, 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 № 91 ЛИ/29.07.2021, valid until 15.01.2023 and enclosure – EA BAS order reg. № A 449/29.07.2021 as an integral part of it.

This order shall be notified to Patengineeringstroy-T JSC, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

