Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 501

Sofia, 12.12.2023

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 and item 6. of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 301/184 ЛИ/ПА/РО/07.04.2023, assessment report, reg. № 301/184 ЛИ/10/В/13.09.2023, declaration reg. № 301/184 ЛИ/ПА/РО/14/П/09.10.2023, annex reg. № 301/184 ЛИ/ПА/РО/16.10.2023 and Statement of the Accreditation Commission reg. № 301/184 ЛИ/ПА/РО/16/В/ 27.11.2023, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

of Patni stroezhi – Veliko Tarnovo EAD

PSVT Road and Construction Laboratory

Management address:
5000 Veliko Tarnovo, 27 Bulgaria Blvd.
Laboratory address:
5057 Rusalya, Veliko Tarnovo Municipality, Asphalt base - Rusalya

To perform testing of:

Type of the scope: *flexible*			
№	**Tested Products**	**Type of Test/Characteristic**	**Testing methods (standardized / validated methods)**
1	**2**	**3**	**4**
1.	Rocky materials for asphalt mixtures (1) Additive materilas for concrete (2) Crushed stone for railways (3) Fine filler (4)	1.Particle size distribution (grain size composition)	БДС EN 933-1 (1) (2) (3) (4)
		2. Content of fine fraction	БДС EN 933-1 (1) (2) (3) (4)
		3. Content of particles with crushed and broken surface: - broken and crushed particles - rounded particles - totally crushed and broken particles - totally rounded particles C_{tr}	БДС EN 933-5 (1) (3)
		4. Shape coefficient	БДС EN 933-4 (1) (2) (3)
		5. Flat grains index	БДС EN 933-3 (1) (2) (3)

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Type of the scope: *flexible*			
№	**Tested Products**	**Type of Test/Characteristic**	**Testing methods (standardized / validated methods)**
1	**2**	**3**	**4**
		6. Content of harmful organic impurities /humus/	БДС EN 1744-1 cl. 15.1 (1) (2) (3)
		7. Assessment of fines - methylene blue	БДС EN 933-9 (1) (2) (3) (4)
		8. Loose bulk density and voids	БДС EN 1097-3 (1) (2) (3)
		9. Magnesium sulfate test for frost resistance	БДС EN 1367-2 (1) (2) (3)
		10. Sand equivalent	БДС EN 933-8 (1) (2) (3)
		11. Water content	БДС EN 1097-5 (1) (2) (3) (4)
		12. Grains length	БДС EN 13450 (3)
		13. Particles density	БДС EN 1097-7 (4)
		14. Relative density 14.1. Apparent particle density – p_a 14.2. Oven-dried particle density – p_{rd} 14.3. Saturated and surface dried particle density - p_{ssd}	БДС EN 1097-6 (1) (2) (3)
		15. Water absorption WA_{24}	БДС EN 1097-6 (1) (2) (3)
		16. Lightweight contaminants content	БДС EN 1744-1 cl. 14.2 (1) (2)
2.	Construction soils (1) Rocky materials for unbound and hydraulically bound mixtures (2)	1. Grain size composition	БДС EN 933-1 (1) (2)
		2. Content of fine fraction	БДС EN 933-1 (1) (2)
		3. Flat grains index	БДС EN 933-3 (2)
		4. Shape coefficient	БДС EN 933-4 (2)
		5. Loose bulk density and voids	БДС EN 1097-3 (2)
		6. Magnesium sulfate test for frost resistance	БДС EN 1367-2 (2)
		7. Water content	БДС EN 1097-5 (1) (2)
		8. Relative density by Proctor	БДС EN 13286-2 (1) (2)
		9. Water content by Proctor	БДС EN 13286-2 (1) (2)
		10. Sand equivalent	БДС EN 933-8 (2)
		11. Elastic module	БДС 15130 (1) (2)
		12.1. Deformation modules 12.2. Relation of deformation modules E_2/E_1	БДС 15130 (1) (2)
		13. California bearing ratio CBR	БДС EN 13286-47 (1) (2)
		14.1. Liquid limit 14.2. Plastic limit 14.3. Plasticity index	БДС EN ISO 17892-12, Ordinance № РД-02-20-2/ 28.08.2018 for road design, Annex №15 (1) (2) БДС EN ISO 17892-12, Ordinance № РД-02-20-2/

Type of the scope: *flexible*			
№	**Tested Products**	**Type of Test/Characteristic**	**Testing methods (standardized / validated methods)**
1	**2**	**3**	**4**
			28.08.2018 for road design, Annex № 16 (1) (2) БДС EN ISO 17892-12 Ordinance № РД-02-20-2/ 28.08.2018 for road design, Annex № 16 (1) (2)
		15. Density in place by the sand cone method	AASHTO T191 (1) (2)
		16. Content of particles with crushed and broken surface: - broken and crushed particles C_c - totally crushed and broken particles C_{tc} - totally rounded particles C_{tr}	БДС EN 933-5 (1) (2)
		17. Relative density 17.1. Apparent particle density – p_a 17.2. Oven-dried particle density – p_{rd} 17.3. Saturated and surface dried particle density - p_{ssd}	БДС EN 1097-6 (2)
		18. Water absorption WA_{24}	БДС EN 1097-6 (2)
		19. Assessment of fines - methylene blue	БДС EN 933-9 (2)
		20. Maximum unit density and optimum water content by Proctor	БДС 17146 (1)
		21. Content of harmful organic impurities /humus/	БДС EN 1744-1 cl. 15.1 (2)
		22. Bulk density of soils (bound and unbound)	Regulation № РД-02-20-2/ 28.08.2018 for road design, Annex 18
		23. Bulk density of the skeleton	Regulation № РД-02-20-2/ 28.08.2018 for road design, Annex 18
		24. Compaction degree	Regulation № РД-02-20-2/ 28.08.2018 for road design, Annex 18 БДС 17146
3.	Asphalt mixtures	1. Particle size distribution	БДС EN 12697-2
		2. Soluble binder content	БДС EN 12697-1 Annex B, item B.2.1
		3. Maximum density	БДС EN 12697-5
		4. Bulk density of compacted asphalt mixtures	БДС EN 12697-6
		5. Water sensitivity	БДС EN 12697-12
		6. Void characteristics of asphalt specimens – V_a	БДС EN 12697-8
		7. Voids in the mineral	БДС EN 12697-8

Type of the scope: *flexible*			
№	**Tested Products**	**Type of Test/Characteristic**	**Testing methods (standardized / validated methods)**
1	**2**	**3**	**4**
		aggregate - VMA	
		8. Voids filled with bitumen VFB	БДС EN 12697-8
		9. Degree of compaction	БДС EN 12697-9*
		10. Stability by the Marshall test	БДС EN 12697-34
		11. Conditional plasticity by the Marshall test	БДС EN 12697-34
		12. Dimensions of asphalt test specimens	БДС EN 12697-29
		13. Asphalt pavement thickness	БДС EN 12697-36, cl.6.1
		14. Affinity between mineral aggregate and bitumen	БДС EN 12697-11
		15. Irregularity measurement of pavement courses	БДС EN 13036-7
4.	Bitumen	1. Needle penetration	БДС EN 1426
		2. Softening point by the Ring and Ball method	БДС EN 1427

To perform sampling of:

Type of the scope: *flexible*		
№	**Product**	**Sampling methods (standardized /validated)**
1	**2**	**3**
1.	Mineral materials	БДС EN 932-1
2.	Asphalt mixtures	БДС EN 12697-27
3.	Bitumen	БДС EN 58
4.	Construction soils	БДС EN 13286-1, 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 the laboratory.*

Reference:

Ordinance № РД-02-20-2 /28.08.2018 for road design.

Annex № 15: Method for determining the liquid limit of soils.

Annex № 16: Method for determining the plastic limit and the plasticity index of soils.

Annex № 18: Method for determining the bulk density of construction soils in place by the sand cone method.

I ORDER

To issue the certificate of accreditation reg. № 184 ЛИ/12.12.2023, valid until 12.12.2027 of PSVT Road and Construction Laboratory at Patni stroezhi – Veliko Tarnovo EAD 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 Patni stroezhi – Veliko Tarnovo EAD, the head of PSVT Road and Construction Laboratory, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 184 ЛИ/05.10.2022, valid until 12.12.2023 and its enclosure - EA BAS order reg. № А 581/05.10.2022.

This order shall be notified to Patni stroezhi – Veliko Tarnovo EAD within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS