Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this fied

ORDER

№ А 645

Sofia, 09.11.2022

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 items 6 ana 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 387/268 ЛИ/ПА/РО/10.03.2022, assessment report reg. № 387/268 ЛИ/4/В/05.08.2022, declarations reg. № 387/268 ЛИ/ПА/РО/7/П/30.08.2022 and reg. № 387/268 ЛИ/10/П/26.09.2022, annex reg. № 387/268 ЛИ/ПА/РО/12/В/28.09.2022 and statement of the Accreditation Commission reg. № 387/268 ЛИ/ПА/РО/14/В/31.10.2022, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

of Patishta I Mostove Ltd.
Road construction laboratory

Management address: 9200 Provadiya, 3, Boris Mavroganov Str.
Laboratory address: 9140 Topoli, Varna Region, Western Industrial Zone, Klise bair area

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.	Additives/rock materials for: - concrete - solution - road construction - bituminous mixtures, road surfaces, airstrips non-bound and hydraulically bound	1.1 Grain size content - fine fraction *f*	БДС EN 933-1
		1.2. Flat grain index *FI*	БДС EN 933-3
		1.3. Shape Index *SI*	БДС EN 933-4
		1.4 Percentage content of grains with crushed and chipped surfaces *C*	БДС EN 933-5/A1
		1.5 Sand Equivalent Test of Fine fraction *SE*	БДС EN 933-8+A1
		1.6 Methods for the determination of resistance to fragmentation (Los Angeles)	БДС EN 1097-2
		1.7 Water content *w*	БДС EN 1097-5

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Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
	mixtures for use in construction equipment and road construction - railroads	1.8 Determination of particle density and water absorption: - specific grain density ρ_a - grain density in dry state ρ_{rd} - grain density in water-soaked and surface dry state ρ_{ssd} - water absorption *WA24*	БДС EN 1097-6 - wire basket test - pycnometer method procedure
		1.9 Magnesium sulphate test *MS*	БДС EN 1367-2
		1.10 Fragmentation under static load *DR*	БДС EN 206/NA+A2 Appendix NA.Q
		1.11 Adhesion between rock material and bitumen *Ac*	БДС EN 12697-11 boiling test procedure
		1.12 Standard density at optimum water content. Proctor compaction - maximum bulk density of the skeleton ρ_d - optimum water content *w*	БДС EN 13286-2
		1.13 California carrying capacity index	БДС EN 13286-47
2.	Asphalt mixtures	2.1 Soluble binder content	БДС EN 12697-1 extractor and centrifuge test
		2.2. Particle size distribution	БДС EN 12697-2+A1
		2.3 Maximum density	БДС EN 12697-5 volumetric analysis
		2.4 Bulk density - dry ρ_{bdry} - SSD ρ_{bssd}	БДС EN 12697-6 A procedure, B procedure
		2.5 Air pore content *Va*	БДС EN 12697-8
		2.6 Degree of sealing *Cri*	БДС EN 12697-9
		2.7 Marshall Test - resistance S - conditional plasticity F	БДС EN 12697-34
		2.8 Asphalt pavement thickness	БДС EN 12697-36 destructive measurement
3.	Bitumen	3.1 Needle penetration	БДС EN 1426
		3.2 Softening Point Ring and Ball	БДС EN 1427
		3.3 Elastic Recovery *RE*	БДС EN 13398
		3.4 Fraass fracture temperature	БДС EN 12593
		3.5 Resistance to hardening under influence of heat and air - mass change - preserved penetration - softening point increase - elastic recovery	БДС EN 12607-1 БДС EN 1426 БДС EN 1427 БДС EN 13398
4.	Joint sealing	4.1 Softening temperature. Softening Point	БДС EN 1427

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
	material	Ring and Ball	
		4.2 Cone penetration at 25°C	БДС EN 13880-2
		4.3 Penetration and recovery (elasticity)	БДС EN 13880-3
		4.4 Heat resistance. Change in penetration value - cone penetration at 25°C - recovery (elasticity)	БДС EN 13880-4 БДС EN 13880-2 БДС EN 13880-3
5.	Bitumen emulsions	5.1 Sieve residue	БДС EN 1429
		5.2 Storage stability by sieving	БДС EN 1429
		5.3 Binder recovered by distillation *r*	БДС EN1431
		5.4 Flow viscometer effluent time	БДС EN 12846-1
6.	Concrete mix	6.1 Subsidence	БДС EN 12350-2
		6.2 Density	БДС EN 12350-6
7.	Concrete	7.1 Compressive strength	БДС EN 12390-3
		7.2 Flexural Tensile Strength	БДС EN 12390-5
		7.3 Density	БДС EN 12390-7
8.	Construction soils	8.1 Grain size content	БДС EN 933-1
		8.2 Water content *w*	БДС EN 1097-5
		8.3 Standard density at optimum water content. Proctor compaction - maximum bulk density of the skeleton p_d - optimum water content *w*	БДС EN 13286-2
		8.4 California carrying capacity index	БДС EN 13286-47
		8.5 Liquid limit	AASHTO T89
		8.6 Drain limit	AASHTO T90
		8.7 Plasticity Index	AASHTO T90
9.	Road structures	9.1 Surface evenness of pavements	БДС EN 13036-6
		9.2 Surface unevenness of pavements	БДС EN 13036-7
		9.3 Modulus of elasticity and deformation using rigid circular plate - average elastic modulus Eesp. - deformation modules E_1, E_2, E_3 - ratio of deformation modules E_2:E_1	БДС EN 15130
		9.4 Pavement deflection	БДС 15131- the Benkelman test БДС 17143 - Lacroix deflectograph
		9.5 Density in place by the sand-cone method - site density - moisture	AASHTO T191

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	**2**	**3**	**4**
		- degree of compaction	
10.	Concrete products	10.1 Geometric features - length - width - thickness - height	БДС EN 1338 Appendix C БДС EN 1339 Appendix C БДС EN 1340 Appendix C БДС EN 13369 Appendix J
		10.2 Flexural strength	БДС EN 1339 Appendix F БДС EN 1340 Appendix F
		10.3 Split strength	БДС EN 1338 Appendix F
		10.4 Destructive load	БДС EN 1338 Appendix F БДС EN 1339 Appendix F
		10.5 Water absorption	БДС EN 1338 Appendix E БДС EN 1339 Appendix E БДС EN 1340 Appendix E

To perform sampling of:

Type of the scope: *flexible*		
№	**Product**	**Sampling method (standard/validated)**
1	**2**	**3**
1.	Additives/rock materials	БДС EN 932-1 from piles
2.	Asphalt mixtures	БДС EN 12697-27 - from material loaded in a dump truck - from laid and compacted material by cutting nuts
3.	Bitumen	БДС EN 58 by using submersible canister equipment for vertical direct collection
4.	Bitumen emulsions	БДС EN 58 by using submersible canister equipment for vertical direct collection
5.	Concrete mix	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 laboratory.*

I ORDER

To issue the Certificate of accreditation reg. № 268 ЛИ/09.11.2022, valid until 09.11.2026, of the Road construction laboratory, at Patishta I Mostove Ltd. and this order as an integral part of it.

The Certificate of accreditation with the enclosure to be received by the manager of the Patishta I Mostove Ltd., the head of the Road construction laboratory, at Patishta I Mostove Ltd, 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 № 268 ЛИ / 31.05.2022, valid until 09.11.2022 and its enclosure – EA BAS order reg. № А 337/31.05.2022.

This order shall be notified to the Patishta I Mostove Ltd., within 3 (three) days from its issuance.

Eng. Irena Botislavova

Executive Director of EA BAS