



ORDER

№ A 169

Sofia, 10.05.2024

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies in connection with item 4.8.3 f) of the BAS QR 2 Accreditation Procedure, assessment report reg. № 156/147 ЛИ/ПО/5/В/04.04.2024 and EA BAS order reg. № 168/10.05.2024, I hereby

AMEND

Certificate of accreditation reg. № 147 ЛИ/16.08.2023
and its enclosure, EA BAS order reg. № A 336/16.08.2023,

**TRA EOOD
CONSTRUCTION TESTING CENTRE**

Management address: 1345 Sofia, Zaharna Fabrika, 1 Kukush Str.

Laboratory addresses: 1. 1510 Sofia, Hadzhi Dimitar, 7, Rezbarska Str.

2. 8009 Burgas, Meden Rudnik Territory, Area Nad Dzhambazlare

3. 6410 Krepost, Dimitrovgrad Municipality, Area Dolna Cheshma

1. Construction Testing Centre, Sofia, at TRA EOOD

1510 Sofia, Hadzhi Dimitar, 7 Rezbarska Str.

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.	Cement	Standard consistence	БДС EN 196-3 cl. 5
		Determination of initial setting time	БДС EN 196-3 cl. 6; Annex A
		Determination of final setting time	БДС EN 196-3 cl. 6; Annex A
		Soundness test	БДС EN 196-3 cl. 7
		Compressive strength	БДС EN 196-1
2.	Coares / All-in aggregate	Particle size distribution	БДС EN 933-1
		Fine content	БДС EN 933-1
		Shells content	БДС EN 933-7
		Shape index	БДС EN 933-4
		Overall flakiness index	БДС EN 933-3
		Percent of:	БДС EN 933-5

Type of the scope: *flexible*

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
		- crushed particles; - totally crushed particles; - totally rounded particles	
		Polished Stone Value	БДС EN 1097-8
		Water content	БДС EN 1097-5
		Loose bulk density	БДС EN 1097-3
		Compacted dry bulk density	БДС EN 1097-3, Annex D
		Particle density: - Specific particle density - Bulk oven- dried particle density - Bulk saturated and surface-dried particle density - Specific density of pre-dried particles	БДС EN 1097-6 Wire basket method/ Pyknometer method
		Void content	БДС EN 1097-3
		Water absorption	БДС EN 1097-6, Wire basket method/ Pyknometer method
		Loss of mass during freezing and thawing	БДС EN 1367-1
		Magnesium sulfate value	БДС EN 1367-2
		Resistance to crushing	БДС EN 206+A2/ NA Annex NA.Q
		Resistance to wear (micro-Deval coefficient)	БДС EN 1097-1
		Resistance to fragmentation – Los Angeles coefficient	БДС EN 1097-2
		Affinity between aggregate and bitumen – boiling water stripping method	БДС EN 12697-11
		Loss of strength of basalt aggregate	БДС EN 1367-3
		Loss of mass of basalt aggregate	БДС EN 1367-3
		Content of water-soluble chlorides	БДС EN 1744-1+A1 cl. 7;
		Content of acid soluble chlorides	БДС EN 1744-5
		Total sulfur content	БДС EN 1744-1+A1 cl. 11.1
		Content of water soluble sulfate	БДС EN 1744-1+A1 cl. 10.1
		Content of acid soluble sulfates	БДС EN 1744-1+A1 cl. 12
		Content of lightweight contaminators	БДС EN 1744-1+A1 cl. 14.2
		Content of humus	БДС EN 1744-1+A1 cl. 15.1
		Total content of water-soluble salts	БДС 11301 cl. 2
3.	Artificial / Mixed - coarse	Loss of mass of silicate disintegration after steaming	БДС 14610 cl. 4.1.1

Type of the scope: flexible

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
	- all-in aggregate	and treatment with sodium sulphate	
		Iron and manganese disintegration	БДС 14610 cl. 4.1.2
		Mass loss in lime disintegration	БДС 14610 cl. 4.1.3
4.	Recycled / Mixed - coarse - all-in aggregate	Influence of the aggregate extract in initial setting time of cement	БДС EN 1744-6
		Content of constituents: - floating particles; - concrete, concrete products, mortar, concrete masonry units; - unbound aggregate, natural stone, hydraulically bound aggregate; - clay masonry units (bricks and tiles); calcium silicate masonry units, aerated non-floating concrete; - bituminous materials; - glass; - other: cohesive (clay and soil), metals (ferrous and nonferrous), non-floating wood, plastic, rubber and gypsum plaster	БДС EN 933-11
5.	Pipe and fitting parts made of unreinforced/ steel fibre/ reinforced concrete	Geometric characteristics: - nominal size - internal length of the body	БДС EN 1916 cl. 3.1.16 and cl. 3.1.17
		Watertightness under hydrostatic test	БДС EN 1916, Annex E cl. E.4
		Crush strength: - load during test (cracking) - limit (destructive) load - result of an effective crushing	БДС EN 1916, Annex C
		Water absorption of concrete	БДС EN 1916, Annex F
6.	Fine / All-in aggregate	Particle size distribution	БДС EN 933-1
		Fine content	БДС EN 933-1
		Water content	БДС EN 1097-5
		Void content	БДС EN 1097-3
		Water absorption	БДС EN 1097-6 Pyknometer method
		Magnesium sulfate value	БДС EN 1367-2
		Sand equivalent value	БДС EN 933-8+A1
		Methylene blue value	БДС EN 933-9
		Content of water-soluble chlorides	БДС EN 1744-1+A1 cl. 7;
		Content of acid soluble chlorides	БДС EN 1744-5
		Total sulfur content	БДС EN 1744-1+A1 cl. 11.1

Type of the scope: flexible

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
		Content of water soluble sulfate	БДС EN 1744-1+A1 cl. 10.1
		Content of acid soluble sulfates	БДС EN 1744-1+A1 cl. 12
		Content of lightweight contaminators	БДС EN 1744-1+A1 cl. 14.2
		Content of humus	БДС EN 1744-1+A1 cl. 15.1
		Total content of water-soluble salts	БДС 11301 cl. 2
		Module of fineness	БДС EN 12620, Annex B
		Particle density: - Specific particle density - Bulk oven- dried particle density - Bulk saturated and surface-dried particle density - Specific density of pre-dried particles	БДС EN 1097-6, Pyknometer method
		Loose bulk density	БДС EN 1097-3
		Compacted dry bulk density	БДС EN 1097-3, Annex D
7.	Filler / Mineral filler	Particle size distribution	БДС EN 933-1
		Water content / moisture	БДС EN 1097-5; БДС 2880 cl. 2.1.4
		Specific density	БДС 2880 cl. 2.2.1
		Particle density	БДС EN 1097-7
		Methylene blue value	БДС EN 933-9
		Change of softening point by delta ring and ball test	БДС EN 13179-1
		Content of water-soluble chlorides	БДС EN 1744-1+A1 cl. 7;
		Content of acid soluble chlorides	БДС EN 1744-5
		Total sulfur content	БДС EN 1744-1+A1 cl. 11.1
		Content of water soluble sulfate	БДС EN 1744-1+A1 cl. 10.1
		Content of acid soluble sulfates	БДС EN 1744-1+A1 cl. 12
		Total content of water-soluble salts	БДС 11301 cl. 2
8.	Construction soils / Aggregates for unbound and hydraulically bound mixtures / All-in aggregate	Water content	БДС EN 1097-5; БДС EN ISO 17892-1; БДС EN ISO 17892-1/A1
		Particle size distribution	БДС EN ISO 17892-4 cl. 5.2; БДС EN 933-1
		Uniformity coefficient	БДС EN ISO 14688-2
		Liquid limit	БДС EN ISO 17892-12; БДС EN ISO 17892-12/A1; БДС EN ISO 17892-12/A2; Annex №15 of Ordinance № РД-02-20-2, SG 79/2018
		Plastic limit	БДС EN ISO 17892-12; БДС EN ISO 17892-12/A1;

Type of the scope: *flexible*

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
			БДС EN ISO 17892-12/A2; Annex №16 of Ordinance № РД-02-20-2, SG 79/2018
		Plasticity index	БДС EN ISO 17892-12; БДС EN ISO 17892-12/A1; БДС EN ISO 17892-12/A2; Annex №16 of Ordinance № РД-02-20-2, SG 79/2018
		Density of solid particles	БДС EN ISO 17892-3 cl. 5.1
		Compressive strength	БДС EN 13286-41
		Bulk density - linear measurement method	БДС EN ISO 17892-2 cl. 5.1
		Bulk density - method by immersion in liquid	БДС EN ISO 17892-2 cl. 5.2
		Density in dry condition	БДС EN ISO 17892-2 cl. 6.3
		Optimum water content	БДС 17146; БДС EN 13286-2
		Normal maximum density of skeleton	БДС 17146
		Modified maximum density of skeleton	БДС 17146
		Maximum density of skeleton by „Proctor”	БДС EN 13286-2
		Maximum density of skeleton by modified „Proctor”	БДС EN 13286-2
		Elastic module	БДС 15130
		Deformation module	БДС 15130, Ordinance №55, Art. 47, SG 18/2004
		Deformation modules ratio	БДС 15130
		California Bearing Ratio	БДС EN 13286-47; Annex № 17 of Ordinance № РД-02-20-2, SG 79/2018
		Swelling	БДС EN 13286-47
		Bulk density by substitute sand	Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
		Bulk density of skeleton by substitute sand	Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
		Degree of compaction	БДС 17146 cl. 1.8, Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
9.	Fresh concretes	Air content	БДС EN 12350-7 cl. 6; Annex B and, Annex D
		Slump	БДС EN 12350-2
		Density	БДС EN 12350-6
		Flow table test	БДС EN 12350-5
10.	Hardened concrete	Density	БДС EN 12390-7 cl. 6.1.2 a) and b);

Type of the scope: flexible

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
			БДС EN 992
		Compressive strength	БДС EN 12390-3; БДС EN 1354
		Tensile splitting strength	БДС EN 12390-6
		Flexural strength	БДС EN 12390-5
		Water impermeability	БДС EN 206+A2/ NA, Annex NA. N
		Depth of penetration of water under pressure	БДС EN 12390-8
		Frost resistance: - Relative loss of mass - Relative reduction of compressive strength	БДС EN 206+A2/ NA Annex NA.O part NA.O.1
		Frost resistance	CD CEN /TS 12390-9 cl. 5
		Determination of rebound number	БДС EN 12504-2
		Compressive strength on site	БДС EN 13791; БДС EN 13791/ NA
		Bond strength by pull-off	ASTM D 7234; БДС EN 1542
11.	Sprayed concrete	Energy absorption capacity	БДС EN 14488-5
		Compressive strength of young sprayed concrete	БДС EN 14488-2
12.	Construction mortars	Bulk density of fresh mortar	БДС EN 1015-6; БДС EN 1015-6/ A1
		Particle size distribution	БДС EN 1015-1; БДС EN 1015-1/ A1
		Dry bulk density of hardened mortar	БДС EN 1015-10; БДС EN 1015-10/ A1
		Flexural strength	БДС EN 1015-11
		Compressive strength	БДС EN 1015-11
		Adhesive strength on substrates	БДС EN 1015-12
13.	Construction mortars for screed materials	Flexural strength	БДС EN 13892-2
		Compressive strength	БДС EN 13892-2
14.	Grout concrete for the groove injecting of the reinforcement strained	Fluidity	БДС EN 445 cl. 4.3.1
		Compressive strength	БДС EN 445 cl. 4.6
15.	Natural stones	Water absorption	БДС 12159 cl. 4
		Single-sided compressive strength	БДС EN 1926
		Water absorption coefficient by capillarity	БДС EN 1925
16.	Concrete flags	Shape and dimensions: - difference in diagonals - length - width - thickness	БДС EN 1339, Annex C
		Thickness of cover layer	БДС EN 1339, Annex C

Type of the scope: *flexible*

№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
		Failure load	БДС EN 1339, Annex F
		Bending strength	БДС EN 1339, Annex F
		Water absorption	БДС EN 1339, Annex E
		Measuring of abrasion according to the Böhme test	БДС EN 1339, Annex H
		Loss of mass after test freeze – thaw with de-icing salt	БДС EN 1339, Annex D
		Unpolished slip resistance	БДС EN 1339, Annex I
17.	Concrete kerb units	Shape and dimensions: - length / length of the recess - width - height / height of the recess	БДС EN 1340, Annex C
		Thickness of cover layer	БДС EN 1340, Annex C
		Bending strength	БДС EN 1340, Annex F
		Water absorption	БДС EN 1340, Annex E
		Measuring of abrasion according to the Böhme test	БДС EN 1340, Annex H
		Loss of mass after test freeze – thaw with de-icing salt	БДС EN 1340, Annex D
		Unpolished slip resistance	БДС EN 1340, Annex I
18.	Concrete paving blocks	Shape and dimensions: - difference in diagonals - length - width - thickness	БДС EN 1338, Annex C
		Thickness of cover layer	БДС EN 1338, Annex C
		Failure load	БДС EN 1338, Annex F
		Strength of splitting	БДС EN 1338, Annex F
		Water absorption	БДС EN 1338, Annex E
		Measuring of abrasion according to the Böhme test	БДС EN 1338, Annex H
		Loss of mass after test freeze – thaw with de-icing salt	БДС EN 1338, Annex D
		Unpolished slip resistance	БДС EN 1338, Annex I
19.	Concrete slabs for lining the road trenches	Geometric dimensions and shape: - length - width - height - difference in diagonals - cracks / holes	БДС 11482 cl. 3.1
		Flexural tensile strength	БДС 11482 cl. 3.2
		Water absorption	БДС 11482 cl. 3.3
		Loss of mass / tensile strength in bending immediately after freezing and thawing	БДС 11482 cl. 3.4 и cl. 3.2
20.	Concrete furrow for draining of the road embankment	Geometric dimensions: - length - width in big / small base - thickness of wall - height in big / small base	БДС 11483

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
		Holes - depth - area	БДС 11483
21.	Masonry units	Geometric dimensions and shape: - length - width - height - thickness of enclosing / partitioning partitions - depth of aperture	БДС EN 772-16
		Water absorption - water absorption coefficient due to capillary - initial rate of water absorption	БДС EN 772-11
		Compressive strength	БДС EN 772-1+A1
		Water absorption	БДС EN 772-7
		Dry density: - gross density - net density	БДС EN 772-13
22.	Manholes and inspection chambers unreinforced/ steel fibre/ reinforced concrete	Geometric characteristics: - nominal size - internal height	БДС EN 1917 cl.3.1.16 and cl. 3.1.19
		Watertightness under hydrostatic test	БДС EN 1917, Annex C, cl. 4
		Strength: - load during test - result of an effective crushing - limit (destructive) load - vertical load by test	БДС EN 1917, Annex A, Annex B
		Water absorption of concrete	БДС EN 1917, Annex D
23.	Precast concrete elements. Normal weight and lightweight concrete shuttering block	Geometric characteristics: - length - width - height - width of the hollow core - length of the hollow core - length of the cantilevered end	БДС EN 15435 cl. 5.1 БДС EN 772-16
		Water absorption due to capillary	БДС EN 772-11
		Compressive strength	БДС EN 772-1+A1
		Bending strength of the walls	БДС EN 15435, Annex B
		Gross dry density	БДС EN 15435 cl. 4.5
24.	Bitumen and bituminous binders	Penetration	БДС EN 1426
		Softening point	БДС EN 1427
		Fraass breaking point	БДС EN 12593
		Elastic recovery	БДС EN 13398
		Flash point in open cup	БДС EN ISO 2592
		Solubility	БДС EN 12592
		Resistance to hardening - change in mass	БДС EN 12607-1

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
		-retained penetration	
		-change in softening point	
25.	Bituminous mixtures	Bulk density	БДС EN 12697-6
		Maximum density	БДС EN 12697-5
		Air voids content	БДС EN 12697-8 cl. 4
		Stability	БДС EN 12697-34
		Flow	БДС EN 12697-34
		Soluble binder content	БДС EN 12697-1, Annex B, cl. B.1.7
		Particle size distribution	БДС EN 12697-2+A1
		Strength of indirect tensile	БДС EN 12697-23
		Temperature	БДС EN 12697-13
		Coefficient of strength under indirect tensile loading, ITSr (Sensitivity to water)	БДС EN 12697-12, Method A
		Binder drainage	БДС EN 12697-18 cl. 5
26.	Laid and compacted bituminous layers	Bending of bituminous pavement	БДС 15131
		Irregularity of pavement courses: -Transverse -Longitudinal	БДС EN 13036-7
		Thickness of a bituminous layer	БДС EN 12697-36 cl. 6.1
		Bulk density: - of layer / core / slice - standard (reference)	БДС EN 12697-6
		Degree of compaction	БДС EN 12697-9*
27.	Grouted anchors	Tendor end displacement	БДС EN ISO 22447-5 cl. 10.4
		Determination of the creep rate	БДС EN ISO 22447-5 cl. 10.4; Annex A
		Apparent free lenght	БДС EN ISO 22447-5 cl. 10.4; Annex D

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

To perform sampling of:

Type of the scope: <i>flexible</i>		
№	Product	Sampling methods (standard/validated method)
1	2	3
1.	Cement	БДС EN 196-7
2.	Coarse / Fine / All-in aggregate	БДС EN 932-1
3.	Artificial / Mixed - coarse - all-in aggregate	БДС EN 932-1; БДС 14610 cl.3
4.	Recycled / Mixed - coarse - all-in aggregate	БДС EN 932-1

Type of the scope: flexible		
№	Product	Sampling methods (standard/validated method)
1	2	3
5.	Filler / Mineral filler	БДС EN 932-1 cl.8.3; cl. 8.4; cl. 8.5 and cl. 8.7;
6.	Construction soils / Aggregates for unbound and hydraulically bound mixtures / All-in aggregate	БДС EN 932-1; БДС 17146 cl. 5
7.	Fresh concretes	БДС EN 12350-1
8.	Hardened concrete	БДС EN 12504-1
9.	Sprayed concrete	БДС EN 14488-1
10.	Construction mortars	БДС EN 1015-2 cl. 5 and cl. 6; БДС EN 1015-2/ A1
11.	Construction mortars for screed materials	БДС EN 13892-1 cl. 3; cl. 4 and cl. 5
12.	Concrete flags	БДС EN 1339 cl. 6.2; Annex A and Annex B
13.	Concrete kerb units	БДС EN 1340 cl. 6.2; Annex A and Annex B
14.	Concrete paving blocks	БДС EN 1338 cl. 6.2; Annex A and Annex B
15.	Concrete furrow for draining of the road embankment	БДС 11483 cl. 2
16.	Bitumen and bituminous binders	БДС EN 58 cl. 8.1 and cl. 8.2.1
17.	Bituminous mixtures	БДС EN 12697-27 cl. 4.1; cl. 4.3; cl. 4.4 and cl. 4.6
18.	Laid and compacted bituminous layers	БДС EN 12697-27 cl. 4.7

2. Construction Testing Centre, Burgas, at TRA EOOD

8009 Burgas, Meden Rudnik Territory, Area Nad Dzhambazlare

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.	Coarse / All-in aggregate	Particle size distribution	БДС EN 933-1
		Fine content	БДС EN 933-1
		Shape index	БДС EN 933-4
		Overall flakiness index	БДС EN 933-3
2.	Fine / All-in aggregate	Particle size distribution	БДС EN 933-1
		Fine content	БДС EN 933-1
		Sand equivalent value	БДС EN 933-8+A1
3.	Filler / Mineral filler	Water content	БДС EN 1097-5
		Particle size distribution	БДС EN 933-1
4.	Construction soils /	Water content	БДС EN 1097-5
		Particle size distribution	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
	Aggregates for unbound and hydraulically bound mixtures	Elastic module	БДС 15130
		Deformation module	БДС 15130, Ordinance №55, Art. 47, SG 18/2004
		Deformation modules ratio	БДС 15130
		Bulk density by substitute sand	Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
		Bulk density of skeleton by substitute sand	Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
5.	Bitumen and bituminous binders	Penetration	БДС EN 1426
		Softening point	БДС EN 1427
6.	Bituminous mixtures	Bulk density	БДС EN 12697-6
		Maximum density	БДС EN 12697-5
		Air voids content	БДС EN 12697-8 cl.4
		Stability	БДС EN 12697-34
		Flow	БДС EN 12697-34
		Soluble binder content	БДС EN 12697-1, Annex B, cl. B.1.7
		Particle size distribution	БДС EN 12697-2+A1
		Temperature	БДС EN 12697-13
7.	Laid and compacted bituminous layers	Thickness of a bituminous layer	БДС EN 12697-36 cl. 6.1
		Bulk density: - of layer / core / slice - standard (reference)	БДС EN 12697-6
		Degree of compaction	БДС EN 12697-9*
8.	Fresh concretes	Slump	БДС EN 12350-2
9.	Hardened concrete	Density	БДС EN 12390-7 cl. 6.1.2 b)
		Compressive strength	БДС EN 12390-3;

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

To perform sampling of:

Type of the scope: <i>flexible</i>		
№	Product	Sampling methods (standard/validated method)
1	2	3
1.	Coarse / Fine / All-in aggregate	БДС EN 932-1
2.	Filler / Mineral filler	БДС EN 932-1 cl. 8.3; cl. 8.4; cl. 8.5 and cl. 8.7

Type of the scope: <i>flexible</i>		
№	Product	Sampling methods (standard/validated method)
1	2	3
3.	Construction soils/ Aggregates for unbound and hydraulically bound mixtures	БДС EN 932-1; БДС 17146 cl. 5
4.	Bitumen and bituminous binders	БДС EN 58 cl. 8.1 and cl. 8.2.1
5.	Bituminous mixtures	БДС EN 12697-27 cl. 4.1; cl. 4.3; cl. 4.4 and cl. 4.6
6.	Laid and compacted bituminous layers	БДС EN 12697-27 cl. 4.7
7.	Fresh concretes	БДС EN 12350-1

3. Construction Testing Centre, Krepost, at TRA EOOD

6410 Krepost, Dimitrovgrad Municipality, Area Dolna cheshma

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.	Coarse / All-in aggregate	Particle size distribution	БДС EN 933-1
		Fine content	БДС EN 933-1
		Water content	БДС EN 1097-5
		Shape index	БДС EN 933-4
		Overall flakiness index	БДС EN 933-3
2.	Fine / All-in aggregate	Particle size distribution	БДС EN 933-1
		Fine content	БДС EN 933-1
		Water content	БДС EN 1097-5
		Sand equivalent value	БДС EN 933-8+A1
3.	Filler / Mineral filler	Water content	БДС EN 1097-5
		Particle size distribution	БДС EN 933-1
4.	Construction soils / Aggregates for unbound and hydraulically bound mixtures	Water content	БДС EN ISO 17892-1; БДС EN ISO 17892-1/A1;
		Particle size distribution	БДС EN 933-1
		Elastic module	БДС 15130
		Deformation module	БДС 15130, Ordinance № 55, Art.47, SG 18/2004
		Deformation modules ratio	БДС 15130
		Bulk density by substitute sand	Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
		Bulk density of skeleton by substitute sand	Annex № 18 of Ordinance № РД-02-20-2, SG 79/2018
5.	Bitumen and bituminous binders	Penetration	БДС EN 1426
		Softening point	БДС EN 1427
6.	Bituminous mixtures	Bulk density	БДС EN 12697-6
		Maximum density	БДС EN 12697-5
		Air voids content	БДС EN 12697-8 cl. 4
		Stability	БДС EN 12697-34
		Flow	БДС EN 12697-34

Type of the scope: <i>flexible</i>			
№	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
		Soluble binder content	БДС EN 12697-1, Annex B, cl. B.1.7
		Particle size distribution	БДС EN 12697-2+A1
7.	Laid and compacted bituminous layers	Thickness of a bituminous layer	БДС EN 12697-36 cl. 6.1
		Bulk density: - of layer / core / slice - standard (reference)	БДС EN 12697-6
		Degree of compaction	БДС EN 12697-9*

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

To perform sampling of:

Type of the scope: <i>flexible</i>		
№	Product	Sampling methods (standard/validated method)
1	2	3
1.	Coarse/ Fine / All-in aggregate	БДС EN 932-1
2.	Filler/ Mineral filler	БДС EN 932-1, cl. 8.3; cl. 8.4; cl. 8.5; cl. 8.7
3.	Construction soils/ Aggregates for unbound and hydraulically bound mixtures	БДС EN 932-1; БДС 17146, cl. 5
4.	Bituminous mixtures	БДС EN 12697-27, cl. 4.1; cl. 4.3; cl. 4.4 and cl. 4.6

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.

References:

Annex № 15 to Art. 160 item 3 of Ordinance № ПД-02-20-2, SG 79/2018 - method for determining the Liquid limit.

Annex № 16 to Art. 160, item 3 of Ordinance № ПД-02-20-2, SG 79/2018 - method for determining the Plastic Limit and Plasticity Index.

Annex № 17 to Art. 161 Table 39 and Article 162 Table 40 of Ordinance № ПД-02-20-2, SG 79/2018 - method for determining California Bearing Capacity Index.

Annex № 18 to Art. 168, para. 1 of Ordinance № ПД-02-20-2, SG 79/2018 - Method for determining the volumetric density of construction soils in place through substitute sand.

Ordinance № 55, Art. 47 of 29.01.2004 on the design and construction of railway lines, railway stations, level crossings and other elements of the railway infrastructure, promulgated in SG № 18/05.03.2004, amended by SG № 20/12.03.2004, and by SG № 42/21.05.2004.

I ORDER

To issue the certificate of accreditation reg. № 147 ЛИ/10.05.2024, valid until 31.05.2026, and an enclosure, this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of TRA EOOD, the head of Construction Testing Centre at TRA EOOD, 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 № 147 ЛИ/16.08.2023, valid until 31.05.2026 and its enclosure – EA BAS order reg. № A 336/16.08.2023.

This order shall be notified to TRA EOOD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

