



ORDER

№ A 454

Sofia, 29.11.2024

Pursuant to Art. 10, para. 1, item 2, Art. 20, para. 6 of the Law on National Accreditation of Conformity Assessment Bodies, item 4.3.7 a) and b) of the BAS QR 2 Accreditation Procedure, item 4.1 of the BAS QR 32 Procedure for Flexible Accreditation Scope, in connection with an open procedure reg. № 531-ЛИ/12.04.2024, assessment report reg. № 531-ЛИ/3/В/27.09.2024 and statement of the Accreditation Commission reg. № 531-ЛИ/4/В/19.11.2024, I hereby

ACCREDIT

TINFI LTD
CONSTRUCTION LABORATORY TINFI

Management address: 8800 Sliven, 18 Radetski Str.
Laboratory address: 8800 Sliven, 1 Samuilovsko Shose 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.	Bituminous mixtures	1.1. Soluble binder content	БДС EN 12697-1 Annex B, cl. B.2.1
		1.2. Particle size distribution	EN 12697-2+A1
		1.3. Maximum density	БДС EN 12697-5, Procedure A
		1.4. Bulk density	БДС EN 12697-6, Procedure A, B
		1.5. Air voids content	БДС EN 12697-8
		1.6. Stability	БДС EN 12697-34
		1.7. Flow	БДС EN 12697-34
2.	Bituminous layers	2.1. Bulk density of bituminous specimen (core)	БДС EN 12697-6 Procedure A
		2.2. Conventional reference density	БДС EN 12697-9*
		2.3. Compaction degree	БДС EN 12697-9*
		2.4. Thickness of bituminous layer	БДС EN 12697-36 cl. 6.1

Type of the scope: flexible

№	Tested products	Type of test / characteristic	Testing methods (standard/ validated method)
1	2	3	4
3.	Bitumens	3.1. Penetration	БДС EN 1426
		3.2. Softening point	БДС EN 1427
4.	Aggregates	4.1. Particle size distribution	БДС EN 933-1
		4.2. Percentage of fines fraction passing the 0.063 mm sieve	БДС EN 933-1
		4.3. Flakiness index	БДС EN 933-3
		4.4. Shape index	БДС EN 933-4
		4.5. Percentage of: - totally crushed particles - rounded particles - totally rounded particles	БДС EN 933-5
		4.6. Sand equivalent value	БДС EN 933-8+A1
		4.7. Methylene blue value	БДС EN 933-9
		4.8. Resistance to fragmentation - Los Angeles coefficient	БДС EN 1097-2
		4.9. Water content	БДС EN 1097-5
		4.10. Particle density: - apparent particle density - oven-dried particle density - saturated and surface-dried particle density - pre-dried particle density - particle density of coarse aggregate, saturated to constant mass	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex A – cl. A.3, cl. A.4, Annex B
		4.11. Water absorption	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex B
		4.12. Magnesium sulfate value	БДС EN 1367-2 БДС EN 13450, Annex G
		4.13. Content of humus	БДС EN 1744-1+A1 cl. 15.1
		4.14. Maximum density of skeleton at optimum water content	БДС EN 13286-2 cl. 7.1, cl. 7.2, cl. 7.4, cl. 7.5
		4.15. California Bearing Ratio	БДС EN 13286-47
		4.16. Liquid limit	БДС EN ISO 17892-12, cl. 5.4 Ordinance № ПД-02-20-2, SG 79/2018, Annex № 15
		4.17. Plastic limit	БДС EN ISO 17892-12 Ordinance № ПД-02-20-2, SG 79/2018, Annex № 16
		4.18. Plasticity index	БДС EN ISO 17892-12 Ordinance № ПД-02-20-2,

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1	2	3	4
			SG 79/2018, Annex № 16
		4.19. Elastic module	БДС 15130
		4.20. Deformation module	БДС 15130
		4.21. Deformation modules ratio E2:E1	БДС 15130
5.	Fillers	5.1. Particle size distribution	БДС EN 933-1
		5.2. Methylene blue value	БДС EN 933-9
		5.3. Water content	БДС EN 1097-5
6.	Construction soils	6.1. Water content	БДС EN ISO 17892-1
		6.2. Particle size distribution	БДС EN ISO 17892-4, cl. 5.2
		6.3. Content of humus	БДС EN 1744-1+A1, cl. 15.1
		6.4. Maximum density of skeleton at optimum water content	БДС EN 13286-2 cl. 7.1, cl. 7.2, cl. 7.4, cl. 7.5
		6.5. California Bearing Ratio	БДС EN 13286-47
		6.6. Liquid limit	БДС EN ISO 17892-12, cl. 5.4 Ordinance № ПД-02-20-2, SG 79/2018, Annex № 15
		6.7. Plastic limit	БДС EN ISO 17892-12 Ordinance № ПД-02-20-2, SG 79/2018, Annex № 16
		6.8. Plasticity index	БДС EN ISO 17892-12 Ordinance № ПД-02-20-2, SG 79/2018, Annex № 16
		6.9. Elastic module	БДС 15130
		6.10. Deformation module	БДС 15130
		6.11. Deformation modules ratio E2:E1	БДС 15130

**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 laboratory.*

References:

Ordinance № ПД-02-20-2 Ordinance № ПД-02-20-2 of 28.08.2018 for road design, SG № 79/25.09.2018, Amd. SG № 90/30.10.2018, Amd. SG 38/24.04.2020

- Annex № 15 to Art. 160, item 3;

- Annex № 16 to Art. 160, item 3.

ORDER

To issue the certificate of accreditation reg. № 316 ЛН of 29.11.2024 valid until 29.11.2028 and this order, as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the manager of TINFI LTD, the head of the Construction laboratory TINFI, at TINFI LTD, or other authorized person in the office of EA BAS.

This order shall be notified to the TINFI LTD, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

