

Scope type: flexible for part of the scope			
№	Name of tested products	Test type/ characteristic	Testing methods (standard/validated method)
1	2	3	4
3	Construction soils /soil mechanics/	3.1. Water content	БДС 644*** БДС EN ISO 17892-1 (ISO 17892-1)* AASHTO T 265*
		3.2. Specific particle density	БДС 646*** БДС EN ISO 17892-3 (ISO 17892-3)*
		3.3. Bulk density: 3.3.1. in natural condition	БДС 647*** БДС EN ISO 17892-2 (ISO 17892-2)*
		3.3.2. skeleton	
		3.3.3. Pore volume	
		3.3.4. Voids ratio	
		3.3.5. Sand cone method	AASHTO T 191*
		3.4. Liquid and drain limits - liquid limit, W _l - Drain limit, W _p - plastic index, I _p - consistency index, I _c	БДС 648***
			БДС 2761 (item 3.2.4, item 3.2.5)***
		3.5. Liquid and plastic limits: - liquid limit by the fall cone method, W _l Plastic limit, W _p - plastic index, I _p - liquidity index, I _l - consistency index, I _c	БДС EN ISO 17892-12 (ISO 17892-12)*
		3.6 Consistency index by Atterberg's Method - liquid limit, W _l - plastic limit, W _p - plastic index, I _p	AASHTO T 89* AASHTO T 90*
3.7. Water saturation degree Sr	БДС 2761 (item 3.1.4)*** БДС EN ISO 17892-10 (item 7.5) (ISO 17892-10 (item 7.5))*		
3.8. Particle size distribution	БДС 2762*** БДС EN ISO 17892-4 (ISO 17892-4)* AASHTO T 88*		
3.9. Coefficient of uniformity	БДС 2761 (item 1.3)***		

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		3.10. Compression properties: - specific subsidence/ vertical deformation - compression module - modulus of elasticity - compacting factor - void ratio - relative swelling, S_H - swelling stress, σ_H - coefficient of consolidation, C_v	БДС 8992*** БДС EN ISO 17892-5 (ISO 17892-5)*
		3.11. Plate load test - modulus of deformation - modulus of elasticity - modulus ratio E_2/E_1	БДС 15130*
		3.12. Laboratory determination of settlement /macro-pore volume/	БДС 14783*
		3.13. Direct shear test in a single-platform apparatus: - angle of internal friction - cohesion	БДС 10188* БДС EN ISO 17892-10 (ISO 17892-10)*
		- angle of internal friction (residual) - cohesion (residual)	
		3.14. Proctor test: - optimal water content	БДС 17146* БДС EN 13286-2 (EN 13286-2)*
		- maximum bulk density	БДС 17146* БДС EN 13286-2 (EN 13286-2)*
		3.15. Unconfined compression - unconfined compressive strength q_u	БДС EN ISO 17892-7 (ISO 17892-7)*
		- undrained shear strength c_u	
		- axial deformation at failure ϵ	
		3.16. Unconsolidated undrained triaxial test (UU test): - deviator stress ($\sigma_1-\sigma_3$) - undrained cohesion c_u' - axial deformation at failure ϵ - cohesion c_u - angle of internal friction φ_u	БДС EN ISO 17892-8 (ISO 17892-8)*
		3.17. Consolidated undrained triaxial test (CU test): - deviator stress ($\sigma_1-\sigma_3$) - pore pressure u - axial deformation at failure ϵ_1 - cohesion c' - angle of internal friction φ'	БДС EN ISO 17892-9 (ISO 17892-9)*

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		3.18. Consolidated drained triaxial test (CD test): - deviator stress ($\sigma_1 - \sigma_3$) - axial deformation at failure ε_1 - volume deformation at failure ε_{vol} - cohesion c' - angle of internal friction φ'	БДС EN ISO 17892-9 (ISO 17892-9)*
		3.19. Water permeability coefficient	БДС 8497*
		3.20. Californian bearing ratio (CBR) - penetration 2.5 mm - penetration 5.0 mm	БДС EN 13286-47 (EN 13286-47)*
		3.21. Total water content of soluble salts	БДС 11301*
		3.22. Organic substances	БДС 11302*
		3.23. Aggressiveness Determination in aqueous extract of:	
		3.23.1. pH	БДС ISO 10390 (ISO 10390)*
		3.23.2. Magnesium salts	ETC 7.1.3-31/2010
		3.23.3. Sulphates	ETC 7.1.3-35/2010
		3.23.4. Chlorides	ETC 7.1.3-35/2010