



**ORDER**

**№ A 253**

**Sofia, 27.06.2023**

Pursuant to Art. 10, para. 1, item 3, Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 344/9 ЛИ/РО/29.04.2022, report reg. № 344/9 ЛИ/РО/12/В/13.12.2022, reports reg. № 344/9 ЛИ/6/В/03.04.2023, reg. № 344/9 ЛИ/2/Е/23.05.2023 and reg. № 344/9 ЛИ/РО/13/В/31.05.2023 and Statement of the Accreditation Commission reg. № 344/9 ЛИ/РО/14/В/19.06.2023, I hereby

**EXTEND THE SCOPE OF ACCREDITATION**

**of TESTING LABORATORY DIRECTORATE  
at EUROTTEST-CONTROL EAD**

**Management and Laboratory Address:** 1517 Sofia, Poduyane, 108 Besarabia Str.

**To perform testing of:**

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
1.	Water: drinking(1), mineral(2), surface(3), ground(4), from swimming pools(5), waste(6)	1.1. Odor	БДС 17.1.4.01*(6) БДС 8451* (1÷5)
		1.2. Taste	БДС 8451* (1,2,4)
		1.3. Temperature	БДС 8451* (1,2÷4) БДС 17.1.4.01* (6)
		1.4. Color	БДС 8451* (1,2÷5) БДС 17.1.4.01* (6)
		1.5. Turbidity	ETC 7.1.3-28/2021 (1÷4,6)
		1.6. pH	БДС EN ISO 10523 (ISO 10523)* (1÷6)
		1.7. Oxidation reduction potential (Eh)	ASTM D 1498* (2÷4,6)
		1.8. Electrical conductivity	БДС EN 27888 (cl. 7.2) (EN 27888 (cl. 7.2))* (1÷6)
		1.9. Total dry residue	БДС 17.1.4.04* (2÷4,6) БДС 3546* (1)
		1.10. Total mineralization	ETC 7.1.3-44/2014 (1÷4,6)
		1.11. Total dissolved substances (TDS)	БДС 17.1.4.04* (1,3,4,6) БДС EN 15216 (EN 15216)* (3,6)
		1.12. Undissolved solids	БДС 17.1.4.04* (2÷6)
		1.13. Suspended solids	БДС EN 872 (EN 872)* (1,3,4,6)
		1.14. Permanganate oxidation	БДС 17.1.4.16* (2÷6) БДС 3413* (1,2,5)

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		1.15. Chemical oxygen demand (COD)	ETC 7.1.3-25/2010 (1÷6) БДС ISO 15705 (ISO 15705)* (1÷6)
		1.16. Biochemical oxygen demand after n days (BODn)	БДС EN ISO 5815-1 (cl. 9.6.1) (ISO 5815-1 (cl. 9.6.1)* (1,3,4,6)) БДС EN ISO 5815-1 (cl. 9.6.2) (ISO 5815-1 (cl. 9.6.2)* (1,3,4,6)) БДС EN 1899-2 (cl. 7.2.1) (EN 1899-2 (cl. 7.2.1)* (1,3,4,6)) БДС EN 1899-2 (cl. 7.2.2) (EN 1899-2 (cl. 7.2.2)* (1,3,4,6))
		1.17. Dissolved oxygen - % saturation	БДС EN 25813 (EN 25813)* (1,3,4,6) БДС EN ISO 5814 (ISO 5814)* (1,3,4,6)
		1.18. Total hardness	БДС ISO 6059 (ISO 6059)* (1÷5) EPA 130.2* (6)
		1.19. Calcium/Ca	БДС ISO 6058 (ISO 6058)* (1÷5) БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3)* (1÷6))
		1.20. Magnesium/Mg	БДС ISO 6059 (ISO 6059)* (1÷5) БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3)* (1÷6))
		1.21. Carbonates	ETC 7.1.3-6/2014 (1÷4,6)
		1.22. Hydrogencarbonates	БДС EN ISO 9963-1 (ISO 9963-1)* (1÷4,6)
		1.23. Alkalinity	ETC 7.1.3-6/2014 (1÷4,6)
		1.24. Carbonate hardness	ETC 7.1.3-19/2010 (3,4,6)
		1.25. Nitrogen (total)	БДС EN 25663 (EN 25663)* (3,6)
		1.26. Kjeldahl Nitrogen	ETC 7.1.3-18/2010 (1÷6) БДС 17.1.4.10 (cl. 2)* (3,4,6) БДС 3587 (cl. 2)* (1)
		1.27. Ammonium ions/ Ammonium (NH <sub>4</sub> <sup>+</sup> )	ETC 7.1.3-18/2010 (1÷6) БДС 17.1.4.10 (cl. 2)* (3,4,6) БДС 3587 (cl. 2)* (1)
		1.28. Nitrogen – ammonium (N-NH <sub>4</sub> <sup>+</sup> )	ETC 7.1.3-18/2010 (1÷6) БДС 17.1.4.10 (cl. 2)* (3,4,6) БДС 3587 (cl. 2)* (1)
		1.29. Nitrites	ETC 7.1.3-16/2021 (cl. 8.2.1) (1÷6) ETC 7.1.3-16/2021 (cl. 8.2.2) (3) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.30. Nitrite nitrogen (N-NO <sub>2</sub> <sup>-</sup> )	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6) ETC 7.1.3-16/2021 (cl. 8.2.1) (1÷6) ETC 7.1.3-16/2021 (cl. 8.2.2) (3)
		1.31. Nitrates	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.32. Nitrate nitrogen (N-NO <sub>3</sub> <sup>-</sup> )	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.33. Residual free chlorine	БДС EN ISO 7393-2 (ISO 7393-2)* (1,4,5) ETC 7.1.3-20/2010 (5)
		1.34. Total chlorine	БДС EN ISO 7393-1 (ISO 7393-1)* (6)



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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			ETC 7.1.3-20/2010 (6)
		1.35. Chlorides	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.36. Sulphates	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.37. Hydrogen sulphide	БДС 17.1.4.09* (2÷4, 6)
		1.38. Sulphides (S <sup>2-</sup> )	ETC 7.1.3-22/2010 (1÷4,6)
		1.39. Sulphides (expressed as S)	ETC 7.1.3-22/2010 (6)
		1.40. Phosphorus/P	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3)* (1÷6)
		1.41. Phosphates/ Orthophosphates	ETC 7.1.3-21/2021 (cl. 8.2.1) (1÷6) ETC 7.1.3-21/2021 (cl. 8.2.2) (3) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		- expressed as phosphorus (PO <sub>4</sub> <sup>3-</sup> P)	ETC 7.1.3-21/2021 (cl. 8.2.1)(1÷6) ETC 7.1.3-21/2021 (cl. 8.2.2) (3) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		- expressed as P <sub>2</sub> O <sub>5</sub> (P <sub>2</sub> O <sub>5</sub> -P)	ETC 7.1.3-21/2021 (cl. 8.2.1)(1÷6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.42. Fluorides	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.43. Iodides	БДС EN ISO 10304-3 (ISO 10304-3)* (1÷4,6)
		1.44. Bromides	БДС EN ISO 10304-1 (ISO 10304-1)* (1÷4,6)
		1.45. Bromates	ETC 7.1.3-49/2021 (cl. 8.2.1) (1÷4) ETC 7.1.3-49/2021 (cl. 8.2.2) (2) БДС EN ISO 15061 (ISO 15061)* (1÷4)
		1.46. Boron/B	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3)* (1÷6)
		1.47. Metaboric acid	ETC 7.1.3-5/2014 (1÷4,6)
		1.48. Total organic carbon (TOC)	ETC 7.1.3-27/2010 (1÷6) БДС EN 1484 (EN 1484)* (1÷6)
		1.49. Dissolved organic carbon (DOC)	ETC 7.1.3-27/2010 (3,4,6) БДС EN 1484 (EN 1484)* (3,4,6)
		1.50. Free carbon dioxide	ETC 7.1.3-10/2014 (1÷4,6)
		1.52. Silicon/Si	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3)* (1÷6)
		1.53. Metasilicic acid	ETC 7.1.3-1/2021 (1÷4,6)
		1.54. Silicon dioxide (SiO <sub>2</sub> )	ETC 7.1.3-1/2021 (1,3,4,6)
		1.55. Cyanides (free)	ETC 7.1.3-41/2021 (cl. 8.2.1) (3,4,6) ETC 7.1.3-41/2021 (cl. 8.2.2) (3)

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		1.56. Cyanides (easily liberatable)	ISO 6703-2 (Section 2)* (3,4,6)
		1.57. Cyanides (total)	БДС ISO 6703-1 (Section 2) (ISO 6703-1 (Section 2))* (1÷4,6)
		1.58. Anionic surfactants	ETC 7.1.3-45/2021 (3,6)
		1.59. Absorbable organic halogens (AOX)	ETC 7.1.3-26/2010 (3,4,6)
		1.60. Aluminium /Al	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.61. Antimony/Sb	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.62. Arsenic/As	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.63. Barium/Ba	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.64. Beryllium/Be	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.65. Bismuth/Bi	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.66. Vanadium/V	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.67. Tungsten/W	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.68. Gallium/Ga	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.69. Iron/Fe	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.70. Mercury/Hg	ETC 7.1-40/2016 (1÷6) БДС EN ISO 17852 (ISO 17852)* (1,3,4)
		1.71. Indium/In	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.72. Cadmium/Cd	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.73. Tin/Sn	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.74. Potassium/K	БДС ISO 9964-3 (ISO 9964-3)* (1÷4)



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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.75. Cobalt/Co	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.76. Lithium/Li	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.77. Manganese/Mn	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.78. Copper/Cu	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.79. Molybdenum/Mo	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.80. Sodium/Na	БДС ISO 9964-3 (ISO 9964-3)* (1÷4) БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.81. Nickel/Ni	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.82. Lead/Pb	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.83. Selenium/Se	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.84. Silver/Ag	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.85. Strontium/Sr	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.86. Sulfur/S	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.87. Titanium/Ti	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.88. Chromium/Cr	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1 : 6)
		1.89. Chromium (hexavalent)	БДС 17.1.4.17* (2÷4,6) ISO 11083 (cl. 7.1)* (1÷4,6)
			БДС EN ISO 18412 (ISO 18412)* (3)
		1.90. Chromium (trivalent)	БДС 17.1.4.17* (2÷4,6)

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1	2	3	4
		1.91. Zinc/Zn	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.92. Zirconium/Zr	БДС EN ISO 11885 (cl. 9.5.1 and cl. 9.5.3) (ISO 11885 (cl. 9.5.1 and cl. 9.5.3))* (1÷6)
		1.94. Phenols	ETC 7.3-10/2021 (3,4,6)
		1.95. Phenol Index	БДС ISO 6439 (Method A, Method B) (ISO 6439 (Method A, Method B))* (1,3,6) ETC 7.3-10/2021 (1,3,6)
		1.96. Petroleum products / non-polar hydrocarbons C <sub>10</sub> -C <sub>40</sub> /	БДС EN ISO 9377-2 (ISO 9377-2)* (3÷4,6)
		1.97. Total extractable hydrocarbons C <sub>10</sub> -C <sub>40</sub>	ETC 7.3-23/2016 (3÷4,6)
		1.98. Volatile organic compounds (VOC)	ETC 7.3-1/2020* (1÷4,6) БДС EN ISO 10301 (Section 3) (ISO 10301) (Section 3)*, ** (1÷4,6) ISO 20595*, ** (1÷4,6) БДС EN 14207 (EN 14207)*(1)
		1.99. Polycyclic aromatic hydrocarbons (PAH)	ISO 28540* (1÷4,6)
		1.100. Pesticides:	
		1.100.1. Polychlorinated biphenyls	ETC 7.3-28/2021** (1÷4,6) ETC 7.3-28/2021** (1÷4,6)
		1.100.2. Organochlorine pesticides	EPA 8151A* (1÷4,6) ETC 7.3-28/2021** (1÷4,6)
		1.100.3. Chlorobenzenes	ETC 7.3-28/2021** (1÷4,6)
		1.100.4. Organophosphorus and organonitrogen pesticides	ASTM D7485*, ** (1÷4)
		1.100.5. Pyrethroids	ETC 7.3-28/2021** (1÷4)
		1.100.6. Nonylphenols, Octylphenols	ASTM D7979*, ** (1÷4)
		1.100.7. Carbamates	
		1.100.8. Perfluorooctane sulfonic acid and its derivatives (PFOS)	
		1.101. Fats (vegetable oils and animal fats)	ETC 7.3-31/2012 (3,4,6)
		1.102. Natural uranium	ETC 7.1.3-30/2021 (1÷4,6) ETC 7.1-53/2018 (cl. 8.2.1) (1÷4) ETC 7.1-53/2018 (cl. 8.2.2) (1÷4)
		1.103. Radium 226	БДС 12575* (2÷4)
		1.104. Total beta activity	БДС 12577* (1÷4)
		1.105. Total number of microorganisms at 22 °C, at 37 °C	БДС EN ISO 6222 (ISO 6222)* (1÷4)
		1.106. Total coliforms	БДС EN ISO 9308-1+A1 (ISO 9308-1+Amd)* (1,2,4)
		1.107. Escherichia coli	БДС EN ISO 9308-1+A1 (ISO 9308-1+Amd)* (1,2,4)



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		1.108. Enterococci	БДС EN ISO 7899-2 (ISO 7899-2)* (1÷4)
		1.109. Clostridium perfringens	БДС EN 26461-2 (EN 26461-2)* (1,2,3,4)
		1.110. Pseudomonas aeruginosa	БДС EN ISO 16266 (ISO 16266)* (1,2,4)
2.	Soils (1), sludge and sediments (2)	2.1. pH	БДС EN ISO 10390 (ISO 10390)* (1,2)
		2.2. Electrical conductivity	СД CEN/TS 15937 (CEN/TS 15937)* (1,2)
		2.3. Total water-soluble salts content	БДС 11301* (1)
		2.4. Dry matter	БДС EN 15934 (Method A) (EN 15934 (Method A))* (1,2) ISO 11465+Cor.1* (1) БДС EN 12880 (EN 12880)*_(2)
		2.5. Moisture	ISO 11465+Cor.1* (1) БДС EN 12880 (EN 12880)*_(2)
		2.6. Organic matter/ Total amount of humus – by a method of Turin	БДС 11302* (1) ETC 7.1.3-11/2010 (1,2)
		2.7. Total Nitrogen / Kjeldahl Nitrogen	БДС ISO 11261 (ISO 11261)* (1) БДС EN 13342 (EN 13342)* (2) БДС EN 16169 (EN 16169)* (1,2) БДС ISO 13878 (ISO 13878)*(1)
		2.8. Aluminium /Al	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.9. Antimony/Sb	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.10. Arsenic/As	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.11. Barium/Ba	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.12. Beryllium/Be	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.13. Bismuth/Bi	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.14. Boron/B	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.15. Vanadium/V	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.16. Tungsten/W	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.17. Total carbon (C)	ЕІС 7.3-2/2016 (1,2) БДС EN 15936 (Method B) (EN 15936 (Method B))* (1,2) ISO 10694* (1)

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		2.18. Total organic carbon (TOC)	ETC 7.3-2/2016 (1,2) БДС EN 15936 (Method B) (EN 15936 (Method B))* (1,2) ISO 10694* (1)
		2.19. Total inorganic carbon (TIC)	ETC 7.3-2/2016 (1,2)
		2.20. Gallium /Ga	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.21. Iron/Fe	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.22. Mercury/Hg	ETC 7.1-16/2014 (2) БДС EN 16175-2 (EN 16175-2)* (1,2) ETC 7.1-33/2010 (1)
		2.23. Gold/Au	ETC 7.1-4/2017 (cl. 8.2.2) (1,2) ETC 7.1-4/2017 (cl. 8.2.1) (1,2) ETC 7.1-42/2016 (cl. 8.2.4.1) (1) ETC 7.1-42/2016 (cl. 8.2.5) (1)
		2.24. Yttrium/Y	ETC 7.1-29/2019 (1,2)
		2.25. Cadmium/Cd	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.26. Tin/Sn	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.27. Potassium/K	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1.3-13/2010 (1) ETC 7.1-28/2017 (1)
		- exchangeable forms of Potassium/K (expressed as K <sub>2</sub> O)	БДС EN ISO 11260 (ISO 11260)* (1,2)
		2.28. Calcium/Ca	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		- exchangeable forms of Calcium /Ca	БДС EN ISO 11260 (ISO 11260)* (1,2)
		2.29. Cobalt/Co	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.30. Lanthanum/La	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.31. Lithium/Li	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.32. Magnesium/Mg	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		- exchangeable forms of Magnesium /Mg	БДС EN ISO 11260 (ISO 11260)* (1,2)
		2.33. Manganese/Mn	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)



Type of the scope: flexible for part of the scope

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		2.34. Copper/Cu	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) ETC 7.1-10/2017 (1,2)
		2.35. Molybdenum/Mo	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.36. Sodium/Na	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.37. Nickel/Ni	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.38. Lead/Pb	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.39. Selenium/Se	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-28/2017 (1)
		2.40. Silicon/Si	ETC 7.1-18/2017 (2)
		2.41. Silver/Ag	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.42. Strontium/Sr	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.43. Sulphur (total)	БДС ISO 15178 (ISO 15178)*(1) ETC 7.3-7/2018 (2)
		2.44. Thallium/Tl	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.45. Tellurium/Te	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.46. Titanium/Ti	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.47. Phosphorus/P	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		- exchangeable forms of Phosphorus/P (expressed as P <sub>2</sub> O <sub>5</sub> )	ETC 7.1.3-13/2010 (1) ETC 7.1-28/2017 (1) ETC 7.1-28/2017 (1,2)
		2.48. Chromium/Cr	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1,2)
		2.49. Zinc/Zn	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)
		2.50. Zirconium/Zr	БДС EN 16170 (EN 16170)*(1,2) ETC 7.1-29/2019 (1,2)
		2.51. Carbonates	ETC 7.1.3-6/2014 (1,2)
		2.52. Hydrogencarbonates	ETC 7.1.3-6/2014 (1,2)
		2.53. Chlorides	ETC 7.1.3-35/2010 (1,2)
		2.54. Ammonium	ETC 7.1.3-18/2010 (1,2)
		2.55. Ammonium nitrogen (N-	ETC 7.1.3-18/2010 (1)

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		NH <sub>4</sub> <sup>+</sup> )	ISO/TS 14256-1* (1,2)
		2.56. Nitrites	ETC 7.1.3-35/2010 (1,2)
		2.57. Nitrite nitrogen (N-NO <sub>2</sub> <sup>-</sup> )	ETC 7.1.3-35/2010 (1)
		2.58. Nitrates	ETC 7.1.3-35/2010 (1,2)
		2.59. Nitrate nitrogen (N-NO <sub>3</sub> <sup>-</sup> )	ETC 7.1.3-35/2010 (1) ISO/TS 14256-1* (1,2)
		2.60. Phosphates	ETC 7.1.3-21/2021 (cl. 8.2.1) (1,2) ETC 7.1.3-35/2010 (1,2)
		2.61. Acid soluble sulphates	БДС ISO 11048 (ISO 11048)*(1)
		2.62. Water soluble sulphates / Sulphates/	БДС ISO 11048 (ISO 11048)*(1) ETC 7.1.3-35/2010 (1)
		- recalculated as S	ETC 7.1.3-35/2010 (2)
		2.63. Cyanides (total)	ISO 11262* (1)
		2.64. Petroleum products / non-polar hydrocarbons C <sub>10</sub> -C <sub>40</sub> /	БДС EN ISO 16703 (ISO 16703)*(1,2) ETC 7.3-26/2010 (2)
		2.65. Volatile organic compounds (VOC)	БДС EN ISO 22155 (ISO 22155)*, ** (1,2)
		2.66. Polycyclic aromatic hydrocarbons (PAH)	ISO 18287 (Method B)* (1,2) БДС EN 17503 (EN 17503)* (1,2)
		2.67. Pesticides:	
		2.67.1. Polychlorinated biphenyls	БДС EN 17322 (EN 17322)*, ** (1,2) ETC 7.3-6/2020** (1,2)
		2.67.2. Organochlorine pesticides	ETC 7.3-6/2020** (1,2)
		2.67.3. Chlorobenzenes	
		2.68. Fats (vegetable oils and animal fats)	ETC 7.3-31/2012 (1)
		2.69. Calorific value	БДС EN 15170 (EN 15170)* (2)
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 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 <sub>l</sub>	БДС 648***
		- Drain limit, W <sub>p</sub>	БДС 2761 (cl. 3.2.4, cl. 3.2.5)***
		- plastic index, I <sub>p</sub>	
		- consistency index, I <sub>c</sub>	
		3.5. Liquid and plastic limits:	БДС EN ISO 17892-12 (ISO 17892-12)*
		- liquid limit by the fall cone method, W <sub>l</sub>	
		- plastic limit, W <sub>p</sub>	
		- plastic index, I <sub>p</sub>	
		- liquidity index, I <sub>l</sub>	
		- consistency index, I <sub>c</sub>	



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<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		3.6 Consistency index by Atterberg's method - liquid limit, W <sub>L</sub> - plastic limit, W <sub>p</sub> - plastic index, I <sub>p</sub>	AASHTO T 89* AASHTO T 90*
		3.7. Water saturation degree S <sub>r</sub>	БДС 2761 (cl. 3.1.4)*** БДС EN ISO 17892-10 (cl. 7.5) (ISO 17892-10 (cl. 7.5))*
		3.8. Particle size distribution	БДС EN ISO 17892-4 (ISO 17892-4)* AASHTO T 88*
		3.9. Coefficient of uniformity	БДС 2761 (cl. 1.3)***
		3.10. Compression properties: - specific subsidence/ vertical deformation - compression module - modulus of elasticity - compacting factor - void ratio - relative swelling, S <sub>H</sub> - swelling stress, σ <sub>H</sub>	БДС 8992*** БДС EN ISO 17892-5 (ISO 17892-5)*
		3.11. Plate load test - modulus of deformation - modulus of elasticity	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 - angle of internal friction (residual) - cohesion (residual)	БДС 10188* БДС EN ISO 17892-10 (ISO 17892-10)*
		3.14. Proctor test: - optimal water content - maximum bulk density	БДС 17146* БДС EN 13286-2 (EN 13286-2)* БДС 17146* БДС EN 13286-2 (EN 13286-2)*
		3.15. Unconfined compression - unconfined compressive strength q <sub>u</sub> - undrained shear strength c <sub>u</sub> - axial deformation at failure ε	БДС EN ISO 17892-7 (ISO 17892-7)*
		3.16. Unconsolidated undrained triaxial test (UU test): - deviator stress (σ <sub>1</sub> -σ <sub>3</sub> ) - undrained cohesion c <sub>u</sub> ' - axial deformation at failure ε - cohesion c <sub>u</sub> - angle of internal friction φ <sub>u</sub>	БДС EN ISO 17892-8 (ISO 17892-8)*

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<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		3.17. Consolidated undrained triaxial test (CU test): - deviator stress ( $\sigma_1 - \sigma_3$ ) - pore pressure $u$ - axial deformation at failure $\epsilon_1$ - cohesion $c'$ - angle of internal friction $\varphi'$	БДС EN ISO 17892-9 (ISO 17892-9)*
		3.18. Consolidated drained triaxial test (CD test): - deviator stress ( $\sigma_1 - \sigma_3$ ) - axial deformation at failure $\epsilon_1$ - volume deformation at failure $E_{vol}$ - cohesion $c'$ - angle of internal friction $\varphi'$	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 EN 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
4.	Aggregates (1), rocks and minerals (2)	4.1. Water content (moisture, natural humidity)	БДС EN 1097-5 (EN 1097-5)* (1) ETC 7.1-18/2017 (1,2) ETC 7.1-3/2022 (1,2) БДС 12159* (2)
		4.2. Loss on ignition	БДС EN 1744-1+A1 (cl. 17) (EN 1744-1+A1 (cl. 17))* (1) ETC 7.1-18/2017 (1,2) ETC 7.1-3/2022 (1,2)
		4.3. Particle size distribution	БДС EN 933-1 (EN 933-1)* (1) БДС ISO 2591-1 (ISO 2591-1)* (1,2)
		4.4. Fine fraction content	БДС EN 933-1 (EN 933-1)* (1)
		4.5. Sand size module/fineness of the sand	БДС EN 12620+A1 Annex B (EN 12620+A1 Annex B)* (1)
		4.6. Flat grains index (Flakiness)	БДС EN 933-3 (EN 933-3)* (1)
		4.7. Shape factor	БДС EN 933-4 (EN 933-4)* (1)
		4.8. Crushed and broken surface in coarse aggregate particles	БДС EN 933-5 (EN 933-5)* (1)



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<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		4.9. Shell content in coarse aggregates	БДС EN 933-7 (EN 933-7)* (1)
		4.10. Sand equivalent	БДС EN 933-8+A1 (EN 933-8 + A1)* (1)
		4.11. Methylene blue	БДС EN 933-9 (EN 933-9)* (1)
		4.12. Grain length	БДС EN 13450+AC (cl. 6.7) (EN 13450+AC (cl. 6.7)* (1)
		4.13. Resistance to freezing /weight loss/	БДС EN 1367-1 (EN 1367-1)* (1) БДС EN 13055 (EN 13055)* (1) БДС EN 12371 (EN 12371)* (2)
		4.14. Resistance in a magnesium sulphate solution	БДС EN 1367-2 (EN 1367-2)* (1)
		4.15. Loose bulk density	БДС EN 1097-3 (EN 1097-3)* (1)
		4.16. Voids percentage	БДС EN 1097-3 (EN 1097-3)* (1)
		4.17. Specific (bulk) density of fine filler in kerosene	БДС EN 1097-3 Annex A (cl. A1 to cl. A6) (EN 1097-3 Annex A (cl. A1 to cl. A6)* (1)
		4.18. Particles bulk density of fine filler. Pycnometer method	БДС EN 1097-7 (EN 1097-7)* (1)
		4.19. Particle density: - specific $\rho_a$ , - at dry condition $\rho_{rd}$ , - saturated and surface dry grain $\rho_{ssd}$	БДС EN 1097-6 (EN 1097-6)* (1)
		4.20. Bulk density	БДС EN ISO 17892-2 (ISO 17892-2)* (2)
		4.21. Specific density	БДС 646*** (2) БДС EN ISO 17892-3 (ISO 17892-3)* (2)
		4.22. Pore volume	БДС EN ISO 17892-2 (ISO 17892-2)* (2)
		4.23. Voids ratio	БДС EN ISO 17892-2 (ISO 17892-2)* (2)
		4.24. Water absorbing capacity till constant mass	БДС 12159* (2)
		4.25. Water absorption	БДС EN 1097-6 (EN 1097-6)* (1)
		4.26. Water absorption in atmospheric pressure	БДС EN 13755 (EN 13755)* (2)
		4.27. Resistance to wear (micro-Deval)	БДС EN 1097-1 (Annex A) (EN 1097-1) (Annex A)* (1)
		4.28. Resistance to fragmentation	БДС EN 1097-2 (cl. 5, Annex A) (EN 1097-2) (cl. 5, Annex A)* (1)
		4.29. Uniaxial compressive strength: 4.29.1. in dry condition 4.29.2. in water saturated condition 4.29.3. after freeze / thaw cycles	БДС EN 1926 (EN 1926)* (2) ASTM D7012 (Method C)* (2)
		4.30 Triaxial compressive strength: - cohesion c	ASTM D7012 (Method A)* (2)

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<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		- angle of internal friction $\phi$	
		4.31. Static elastic module	БДС EN 14580 (EN 14580)* (2)
		4.32. Elastic modulus at uniaxial compression E	ASTM D7012 (Method D)* (2)
		4.33. Elastic module at triaxial compression E	ASTM D7012 (Method B)* (2)
		4.34. Poisson's ratio $\nu$	ASTM D7012 (Method D)* (2)
		4.35. Monoplane shear with pressure in inclined matrices - angle of internal friction $\phi$ - cohesion c	ETC 7.2.1-30/2010 (2)
		4.36. Direct Shear strength at constant normal load: - angel of internal friction $\phi$ - cohesion c	ASTM D5607* (2)
		4.37. Splitting tensile strength diametral line compression method /Brazilian method/ - in dry condition - in water saturated condition	ASTM D3967* (2)
		4.38. Point load strength index of rock	ASTM D 5731* (2)
		4.39. California bearing ratio (CBR) - penetration 2.5 mm - penetration 5.0 mm	БДС EN 13286-47 (EN 13286-47)* (1,2)
		4.40. Proctor compaction test: - optimal water content - maximum skeletal density	БДС EN 13286-2 (EN 13286-2)* (1,2)
		4.41. Aluminium/Al - expressed as Al <sub>2</sub> O <sub>3</sub>	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2) ETC 7.1-18/2017 (1,2)
		4.42. Antimony/Sb	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.43. Arsenic/As	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.44. Barium/Ba	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.45. Beryllium/Be	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.46. Bismuth/Bi	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.47. Boron/B	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.48. Vanadium/V	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.49. Tungsten/W	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.50. Total carbon (TC)	ETC 7.3-2/2016 (2)
		4.51. Total organic carbon (TOC)	ETC 7.3-2/2016 (2)



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<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		4.52. Total inorganic carbon (TIC)	ETC 7.3-2/2016 (2)
		4.53. Gallium/Ga	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.54. Iron/Fe	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		- expressed as Fe <sub>2</sub> O <sub>3</sub>	ETC 7.1-18/2017 (1,2)
		4.55. Mercury/Hg	ETC 7.1-16/2014 (1,2)
		4.56. Gold/Au	ETC 7.1-4/2017 (cl. 8.2.2) (2) ETC 7.1-4/2017 (cl. 8.2.1) (2) ETC 7.1-42/2016 (cl. 8.2.4.1) (2) ETC 7.1-42/2016 (cl. 8.2.4.2) (2) ETC 7.1-42/2016 (cl. 8.2.5) (2)
		4.57. Yttrium/Y	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.58. Cadmium/Cd	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.59. Tin/Sn	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.60. Potassium/K	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		- expressed as K <sub>2</sub> O	ETC 7.1-18/2017 (1,2)
		4.61. Calcium/Ca	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		- expressed as CaO	ETC 7.1-18/2017 (1,2)
		4.62. Cobalt/Co	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.63. Lanthanum/La	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.64. Lithium/Li	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.65. Magnesium/Mg	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		- expressed as MgO	ETC 7.1-18/2017 (1,2)
		4.66. Manganese/Mn	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		- expressed as MnO	ETC 7.1-18/2017 (1,2)
		4.67. Copper/Cu	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2) ETC 7.1-10/2017 (2)
		4.68. Molybdenum/Mo	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.69. Sodium/Na	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		- expressed as Na <sub>2</sub> O	ETC 7.1-18/2017 (1,2)
		4.70. Nickel/Ni	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.71. Lead/Pb	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.72. Palladium/Pd	ETC 7.1-42/2016 (cl. 8.2.5) (2)
		4.73. Platinum/Pt	ETC 7.1-42/2016 (cl. 8.2.5) (2)

Type of the scope: flexible for part of the scope			
Nº	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		4.74. Silicon/Si - expressed as SiO <sub>2</sub>	ETC 7.1-18/2017 (1,2)
		4.75. Silver/Ag	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2) ETC 7.1-13/2016 (2)
		4.76. Strontium/Sr	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.77. Sulphur/S (total)	ETC 7.3-7/2018 (2) БДС EN 1744-1+A1 (cl. 11) (EN 1744-1+A1 (cl. 11))* (1,2)
		4.78. Sulphur/S (sulphide)	ETC 7.1-25/2017 (1,2)
		4.79. Sulphur/S (sulphate)	ETC 7.1-25/2017 (1,2)
		4.80. Thallium/Tl	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.81. Tellurium/Te	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.82. Titanium/Ti - expressed as TiO <sub>2</sub>	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2) ETC 7.1-18/2017 (1,2)
		4.83. Phosphorus/P - expressed as P <sub>2</sub> O <sub>5</sub>	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2) ETC 7.1-18/2017 (1,2)
		4.84. Chromium/Cr	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.85. Zinc/Zn	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.86. Zirconium/Zr	ETC 7.1-29/2019 (1,2) EPA 6010D* (1,2)
		4.87. Silicon dioxide/SiO <sub>2</sub> 4.88. Dialuminum trioxide/Al <sub>2</sub> O <sub>3</sub> 4.89. Magnesium oxide/MgO 4.90. Disodium oxide/Na <sub>2</sub> O 4.91. Titanium Dioxide/TiO <sub>2</sub> 4.92. Diiron trioxide/Fe <sub>2</sub> O <sub>3</sub> 4.93. Dipotassium oxide/K <sub>2</sub> O 4.94. Calcium oxide/CaO 4.95. Manganese oxide/MnO 4.96. Diphosphorus pentoxide/P <sub>2</sub> O <sub>5</sub>	ETC 7.1-3/2022 (1,2)
		4.97. Alkaline reactive ability	БДС 14851 (cl. 8)* (1)
		4.98. Substances content insoluble in hydrochloric acid	БДС 5668* (2)
		4.99. Water-soluble chlorides	БДС EN 1744-1+A1 (cl. 9) (EN 1744-1+A1 (cl. 9))* (1)
		4.100. Water-soluble sulphates - expressed as SO <sub>3</sub> / expressed as SO <sub>4</sub> - expressed as SO <sub>4</sub>	БДС EN 1744-1+A1 (cl. 10.1) (EN 1744-1+A1 (cl. 10.1))* (1) БДС EN 1744-1+A1 (cl. 10.2) (EN 1744-1+A1 (cl. 10.2))* (1)
		4.101. Acid soluble sulphates - expressed as SO <sub>3</sub> / expressed as SO <sub>4</sub>	БДС EN 1744-1+A1 (cl. 12) (EN 1744-1+A1 (cl. 12))* (1)



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<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		4.102. Low weight contamination	БДС EN 1744-1+A1 (cl. 14.2) (EN 1744-1+A1 (cl. 14.2))* (1)
		4.103. Organic components /humus/	БДС EN 1744-1+A1 (cl. 15.1) (EN 1744-1+A1 (cl. 15.1))* (1)
		4.104. Water solubility	БДС EN 1744-1+A1 (cl. 16) (EN 1744-1+A1 (cl. 16))* (1)
5.	Ores and products from processing thereof	5.1. Moisture	БДС ISO 10251 (ISO 10251)* БДС 14831* БДС ISO 9599 (ISO 9599)* ETC 7.1-3/2022 ETC 7.1-18/2017
		5.2. Loss on ignition	ETC 7.1-3/2022 ETC 7.1-18/2017
		5.3. Particle size distribution composition	БДС 15443* БДС ISO 2591-1 (ISO 2591-1)*
		5.4. Chemical elements from Na to U	БДС 17389* ISO 22309*
		5.5. Silicon dioxide/SiO <sub>2</sub> 5.6. Dialuminum trioxide/Al <sub>2</sub> O <sub>3</sub> 5.7. Magnesium oxide/MgO 5.8. Disodium oxide/Na <sub>2</sub> O 5.9. Titanium Dioxide/TiO <sub>2</sub> 5.10. Diiron trioxide/Fe <sub>2</sub> O <sub>3</sub> 5.11. Dipotassium oxide/K <sub>2</sub> O 5.12. Calcium oxide/CaO 5.13. Manganese oxide/MnO 5.14. Diphosphorus pentoxide/P <sub>2</sub> O <sub>5</sub>	ETC 7.1-3/2022
		5.15. Aluminium/Al - expressed as Al <sub>2</sub> O <sub>3</sub>	EPA 6010D* ETC 7.1-29/2019
		5.16. Antimony/Sb	EPA 6010D* ETC 7.1-29/2019
		5.17. Arsenic/As	EPA 6010D* ETC 7.1-29/2019
		5.18. Barium/Ba	EPA 6010D* ETC 7.1-29/2019
		5.19. Beryllium/Be	EPA 6010D* ETC 7.1-29/2019
		5.20. Bismuth/Bi	EPA 6010D* ETC 7.1-29/2019
		5.21. Boron/B	EPA 6010D* ETC 7.1-29/2019
		5.22. Vanadium/V	EPA 6010D* ETC 7.1-29/2019
		5.23. Tungsten/W	EPA 6010D* ETC 7.1-29/2019
		5.24. Carbon	ETC 7.3-22/2010
		5.25. Gallium/Ga	EPA 6010D* ETC 7.1-29/2019
		5.26. Iron/Fe - expressed as Fe <sub>2</sub> O <sub>3</sub>	ETC 7.1-3/2022 EPA 6010D* ETC 7.1-29/2019

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<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		5.27. Mercury/Hg	ETC 7.1-16/2014
		5.28. Gold/Au	ETC 7.1-4/2017 (cl. 8.2.2)
			ETC 7.1-4/2017 (cl. 8.2.1)
			БДС ISO 10378 (ISO 10378)*
			AS 3895.1*
			ETC 7.1-42/2016 (cl. 8.2.5)
			ETC 7.1-42/2016 (cl. 8.2.4.1)
			ETC 7.1-42/2016 (cl. 8.2.4.2)
		5.29. Yttrium/Y	EPA 6010D* ETC 7.1-29/2019
		5.30. Cadmium/Cd	EPA 6010D* ETC 7.1-29/2019
		5.31. Tin/Sn	EPA 6010D* ETC 7.1-29/2019
		5.32. Potassium/K - expressed as K <sub>2</sub> O	EPA 6010D* ETC 7.1-29/2019
		5.33. Calcium/Ca - expressed as CaO	EPA 6010D* ETC 7.1-29/2019
		5.34. Cobalt/Co	EPA 6010D* ETC 7.1-29/2019
		5.35. Lanthanum/La	EPA 6010D* ETC 7.1-29/2019
		5.36. Lithium/Li	EPA 6010D* ETC 7.1-29/2019
		5.37. Magnesium/Mg - expressed as MgO	EPA 6010D* ETC 7.1-29/2019
		5.38. Manganese/Mn - expressed as MnO	EPA 6010D* ETC 7.1-29/2019
		5.39. Copper/Cu	EPA 6010D*
			ETC 7.1-29/2019
			ETC 7.1-10/2017
			ETC 7.1-3/2022
			ETC 7.1-41/2016
		5.40. Molybdenum/Mo	БДС ISO 10258 (ISO 10258)*
		5.41. Sodium/Na - expressed as Na <sub>2</sub> O	EPA 6010D*
			ETC 7.1-29/2019
			ETC 7.1-3/2022
		5.42. Nickel/Ni	EPA 6010D* ETC 7.1-29/2019
		5.43. Lead/Pb	EPA 6010D*
			ETC 7.1-29/2019
			БДС ISO 13545 (ISO 13545)*
		5.44. Palladium/Pd	ETC 7.1-42/2016 (cl. 8.2.5)
		5.45. Platinum/Pt	ETC 7.1-42/2016 (cl. 8.2.5)
		5.46. Silicon/Si - expressed as SiO <sub>2</sub>	ETC 7.1-18/2017
		5.47. Silver/Ag	EPA 6010D*
			ETC 7.1-29/2019
			ETC 7.1-13/2016

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			БДС ISO 10378 (ISO 10378)*
		5.48. Strontium/Sr	EPA 6010D* ETC 7.1-29/2019
		5.49. Sulphur/S	ETC 7.3-15/2010 ETC 7.1-3/2022
		5.50. Thallium/Tl	EPA 6010D* ETC 7.1-29/2019
		5.51. Tellurium/Te	EPA 6010D* ETC 7.1-29/2019
		5.52. Titanium/Ti - expressed as TiO <sub>2</sub>	EPA 6010D* ETC 7.1-29/2019
		5.53. Phosphorus/P - expressed as P <sub>2</sub> O <sub>5</sub>	EPA 6010D* ETC 7.1-29/2019
		5.54. Chromium/Cr	EPA 6010D* ETC 7.1-29/2019
		5.55. Zinc/Zn	EPA 6010D* ETC 7.1-29/2019 БДС 6443*
		5.56. Zirconium/Zr	EPA 6010D* ETC 7.1-29/2019
6.	Cement	6.1. Chromium (hexavalent)	БДС EN 196-10 (cl. 8.2) (EN 196-10 (cl. 8.2))*
		6.2. Flexural strength	БДС EN 196-1 (cl. 9.1) (EN 196-1 (cl. 9.1))*
		6.3. Compressive strength	БДС EN 196-1 (cl. 9.2) (EN 196-1 (cl. 9.2))*
		6.4. Standard consistence	БДС EN 196-3 (cl. 5) (EN 196-3 (cl. 5))*
		6.5. Setting times (initial and final)	БДС EN 196-3 (cl. 6) (EN 196-3 (cl. 6))*
		6.6. Soundness	БДС EN 196-3 (cl. 7) (EN 196-3 (cl. 7))*
		6.7. Fineness	БДС EN 196-6 (cl. 3) (EN 196-6 (cl. 3))*
		6.8. Residue, insoluble in hydrochloric acid and sodium carbonate	БДС EN 196-2 (cl. 4.4.3) (EN 196-2 (cl. 4.4.3))*
		6.9. Loss on ignition	БДС EN 196-2 (cl. 4.4.1) (EN 196-2 (cl. 4.4.1))*
		6.10. Sulphates expressed as SO <sub>3</sub>	БДС EN 196-2 (cl. 4.4.2) (EN 196-2 (cl. 4.4.2))*
		6.11. Chlorides	БДС EN 196-2 (cl. 4.5.16) (EN 196-2 (cl. 4.5.16))*
7.	Concretes	7.1. Density	БДС EN 12390-7 (EN 12390-7)* БДС EN 992 (EN 992)*
		7.2. Resistance to freezing - relative weight loss - relative loss of compressive strength	БДС EN 206+A2/NA*
		7.3. Compressive strength	БДС EN 12390-3 (EN 12390-3)*



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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		7.4. Depth of penetration of water under pressure (watertightness)	БДС EN 206+A2/NA (Annex NA.N)* БДС EN 12390-8 (EN 12390-8)*
8.	Petroleum products /gas oil (1), diesel (2) and heavy fuel oil (3)/	8.1. Density	БДС EN ISO 3675 (ISO 3675)* (1÷3)
		8.2. Flash point /Pensky-Martens closed cup method /	БДС EN ISO 2719+A1 (ISO 2719+AMD.1)* (1,2)
		8.3. Ash	БДС EN ISO 6245 (ISO 6245)* (1÷3)
		8.4. Water	БДС ISO 3733 (ISO 3733)* (1,3)
			БДС EN ISO 12937 (ISO 12937)* (2)
			ASTM E 203* (1,3)
		8.5. Total impurities	БДС EN 12662 (EN 12662)*(1,2)
		8.6. Corrosiveness to copper – Copper strip test	БДС EN ISO 2160 (ISO 2160)* (2)
		8.7. Kinematic viscosity	БДС EN ISO 3104 (ISO 3104)* (1÷3)
		8.8. Distillation characteristics	БДС EN ISO 3405 (ISO 340)* (1,2)
		8.9. Cetane index	БДС EN ISO 4264 (ISO 4264)* (2)
		8.10. Cold filter plugging point	БДС EN 116 (EN 116)* (2)
		8.11. Flash point and fire point – Cleveland open cup method	БДС EN ISO 2592 (ISO 2592)* (3)
		8.12. Mechanical impurities	БДС 17411* (1,3)
		8.13. Freezing point	БДС 1751* (1,3)
		8.14. Cloud point	БДС EN ISO 3015 (ISO 3015)* (1÷3)
		8.15. Pour point	БДС EN ISO 3016 (ISO 3016)* (1÷3)
		8.17. Water-soluble acids and bases	БДС 5252* (3)
		8.18. Sulphur/S	ETC 7.3-5/2014 (1,3)
	БДС EN ISO 13032 (ISO 13032)* (2)		
	8.19. Calorific value	БДС 17413* (1,3)	
9.	Biodiesel	9.1. Esters (total)	БДС EN 14103 (EN 14103)*
		9.2. Methyl ester of linoleic acid	
		9.3. Kinematic viscosity	БДС EN ISO 3104 (ISO 3104)*
		9.4. Flash point /Pensky-Martens closed cup method /	БДС EN ISO 2719+A1 (ISO 2719+AMD.1)*
		9.5. Cold filter plugging point	БДС EN 116 (EN 116)*
		9.6. Water	БДС EN ISO 12937 (ISO 12937)*
		9.7. Acid value	БДС EN 14104 (EN 14104)*
		9.8. Iodine value	БДС EN 14111 (EN 14111)*
		9.9. Methanol	БДС EN 14110 (EN 14110)*
		9.10. Monoglycerides	БДС EN 14105 (EN 14105)*
		9.11. Diglycerides	
		9.12. Triglycerides	
		9.13. Free glycerol	
		9.14. Total glycerol	
		9.15. Total impurities	БДС EN 12662 (EN 12662)*
		9.16. Density	БДС EN ISO 3675 (ISO 3675)*
		9.17. Corrosiveness to copper – Copper strip test	БДС EN ISO 2160 (ISO 2160)*
10.	Oils	10.1. Density	БДС EN ISO 3675 (ISO 3675)*
		10.2. Kinematic viscosity	БДС EN ISO 3104 (ISO 3104)*
		10.3 Viscosity index	БДС ISO 2909 (ISO 2909)*

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		10.4. Flash point /Pensky-Martens closed cup method /	БДС EN ISO 2719+A1 (ISO 2719+AMD.1)*
		10.5. Flash and fire points – Cleveland open cup method	БДС EN ISO 2592 (ISO 2592)*
		10.6. Mechanical impurities	БДС 17411*
		10.7. Water	БДС ISO 3733 (ISO 3733)* БДС EN ISO 12937 (ISO 12937)*
		10.8. Ash	БДС EN ISO 6245 (ISO 6245)*
		10.9. Acid value	БДС ISO 6618 (ISO 6618)* БДС 1752*
		10.10. Sulphur/S	ETC 7.3-5/2014
		10.11. Water-soluble acids and bases	БДС 5252*
		10.12. Corrosiveness to copper – Copper strip test	БДС EN ISO 2160 (ISO 2160)*
		10.13. Pour point	БДС EN ISO 3016 (ISO 3016)*
		10.14. Cloud point	БДС EN ISO 3015 (ISO 3015)*
		10.15. Freezing point	БДС 1751*
11.	Natural gas (1), liquefied hydrocarbons (2)	11.1. Component composition	БДС EN 27941 (EN 27941)* (2) СТ на СИВ 2103* (1) БДС EN ISO 6974-6 (ISO 6974-6)* (1)
		11.2. Hydrogen sulphide	БДС 7926* (2) БДС EN ISO 8819 (ISO 8819)* (2) БДС 16027* (1)
		11.3. Mercaptan sulphur	БДС 16027* (1)
		11.4. Density	БДС EN ISO 6976 (ISO 6976)* (1)
		11.5. Relative density	БДС EN ISO 8973+A1 (ISO 8973 +Amd 1)* (2)
		11.6. Calorific value	БДС EN ISO 6976 (ISO 6976)* (1)
		11.7. Saturated vapour pressure	БДС EN 589+A1 (EN 589+A1)* (2) БДС EN ISO 8973+A1 (ISO 8973 +Amd 1)* (2)
		11.8. Motor octane number	БДС EN 589+A1 (EN 589+A1)* (2)
		11.9. Wobbe index	БДС EN ISO 6976 (ISO 6976)* (1)
12.	Solid fuels	12.1.1. Particle size distribution	БДС ISO 1953 (ISO 1953)* (1,2)
	12.1. Coal:	12.1.2. Moisture (total)	БДС ISO 589 (ISO 589)* (1,2) БДС ISO 579 (ISO 579)* (5) БДС ISO 5068-1 (ISO 5068-1)* (3,4)
	Anthracite (1) black (2), brown and lignite (3), briquettes (4), coke (5)	12.1.3. Moisture (analytical)	БДС ISO 11722 (ISO 11722)* (1,2) БДС ISO 5068-2 (ISO 5068-2)* (3,4) БДС ISO 687 (ISO 687)* (5)
		12.1.4. Ash	БДС ISO 1171 (ISO 1171)* (1÷5)
		12.1.5. Volatile matter	БДС ISO 562 (ISO 562)* (1,2,5) БДС ISO 5071-1 (ISO 5071-1)* (3,4)
		12.1.6. Calorific value	БДС ISO 1928 (ISO 1928)* (1÷5)
		12.1.7. Carbon	БДС ISO 29541 (ISO 29541)* (1÷5)
		12.1.8. Sulphur/S	БДС ISO 334 (ISO 334)* (1,2,3,4,5) БДС ISO 19579 (ISO 19579)* (1,2,3,4,5)
		12.1.9. Chlorine	БДС ISO 587 (ISO 587)* (1÷5)
		12.1.10. Nitrogen	БДС ISO 29541 (ISO 29541)* (1÷5)



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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	12.2. Solid recovered fuels	12.2.1. Particle size distribution	БДС EN 15415-1 (EN 15415-1)*
		12.2.2. Moisture (total)	СД CEN/TS 15414-2 (CEN/TS 15414-2)*
		12.2.3. Moisture (analytical)	БДС EN ISO 21660-3 (ISO 21660-3)*
		12.2.4. Ash	БДС EN ISO 21656 (ISO 21656)*
		12.2.5. Volatile matter	БДС EN ISO 22167 (ISO 22167)*
		12.2.6. Calorific value / Heat of combustion	БДС EN ISO 21654 (ISO 21654)*
		12.2.7. Aluminium/Al	БДС EN 15410 (EN 15410)*
		12.2.8. Antimony/Sb	БДС EN 15411 (EN 15411)*
		12.2.9. Arsenic/As	БДС EN 15411 (EN 15411)*
		12.2.10. Barium/Ba	БДС EN 15411 (EN 15411)*
		12.2.11. Beryllium/Be	БДС EN 15411 (EN 15411)*
		12.2.12. Bromine/Br	БДС EN 15408 (EN 15408)*
		12.2.13. Vanadium/V	БДС EN 15411 (EN 15411)*
		12.2.14. Carbon/C	БДС EN ISO 21663 (ISO 21663)*
		12.2.15. Iron/Fe	БДС EN 15410 (EN 15410)*
		12.2.16. Mercury/Hg	БДС EN 15411 (EN 15411)*
		12.2.17. Cadmium/Cd	БДС EN 15411 (EN 15411)*
		12.2.18. Potassium/K	БДС EN 15410 (EN 15410)*
		12.2.19. Calcium/Ca	БДС EN 15410 (EN 15410)*
		12.2.20. Cobalt/Co	БДС EN 15411 (EN 15411)*
		12.2.21. Magnesium/Mg	БДС EN 15410 (EN 15410)*
		12.2.22. Manganese/Mn	БДС EN 15411 (EN 15411)*
		12.2.23. Copper/Cu	БДС EN 15411 (EN 15411)*
		12.2.24. Molybdenum/Mo	БДС EN 15411 (EN 15411)*
		12.2.25. Sodium/Na	БДС EN 15410 (EN 15410)*
		12.2.26. Nickel/Ni	БДС EN 15411 (EN 15411)*
		12.2.27. Lead/Pb	БДС EN 15411 (EN 15411)*
		12.2.28. Selenium/Se	БДС EN 15411 (EN 15411)*
		12.2.29. Silicon/Si	БДС EN 15410 (EN 15410)*
		12.2.30. Sulphur/S	БДС EN 15408 (EN 15408)*
		12.2.31. Thallium/Tl	БДС EN 15411 (EN 15411)*
		12.2.32. Titanium/Ti	БДС EN 15410 (EN 15410)*
		12.2.33. Phosphorus/P	БДС EN 15410 (EN 15410)*
		12.2.34. Fluorine/F	БДС EN 15408 (EN 15408)*
		12.2.35. Chlorine/Cl	БДС EN 15408 (EN 15408)*
		12.2.36. Chromium/Cr	БДС EN 15411 (EN 15411)*
		12.2.37. Zinc/Zn	БДС EN 15411 (EN 15411)*
		12.2.38. Pesticides: Polychlorinated biphenyls	БДС EN 17322 (EN 17322)*, **
		12.2.39. Nitrogen/N	БДС EN ISO 21663 (ISO 21663)*
		12.2.40. Kjeldahl Nitrogen	БДС EN 13342 (EN 13342)*
12.3 Biofuels: biomass (1), pellets (2), briquettes (3), charcoal (4)	12.3.1. Particle size distribution	ISO 18846* (2) БДС EN ISO 17827-2 (ISO 17827-2)* (1)	
	12.3.2. Length	БДС EN ISO 17829 (ISO 17829)* (2)	
	12.3.3. Diameter	БДС EN ISO 17829 (ISO 17829)* (2)	
	12.3.4. Bulk density	БДС EN ISO 17828 (ISO 17828)* (2)	



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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		12.3.5. Moisture (total)	БДС EN ISO 18134-2 (ISO 18134-2)* (1÷4) БДС ISO 579 (ISO 579)* (4)
		12.3.6. Moisture (analytical)	БДС EN ISO 18134-3 (ISO 18134-3)*(1÷4) БДС ISO 687 (ISO 687)* (4)
		12.3.7. Ash	БДС EN ISO 18122 (ISO 18122)* (1÷4) БДС ISO 1171 (ISO 1171)* (4)
		12.3.8. Volatile substances	БДС ISO 562 (ISO 562)* (4) БДС EN ISO 18123 (ISO 18123)* (1÷4)
		12.3.9. Fixed carbon	БДС EN 1860-2 (EN 1860-2)* (4)
		12.3.10. Calorific value / Heat of combustion	БДС ISO 1928 (ISO 1928)* (4) БДС EN ISO 18125 (ISO 18125)* (1÷4)
		12.3.11. Kjeldahl Nitrogen	БДС EN 13342 (EN 13342)*(1,2)
		12.3.12. Antimony/Sb	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.13. Arsenic/As	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.14. Barium/Ba	ETC 7.1-37/2014 (1÷3)
		12.3.15. Beryllium/Be	ETC 7.1-37/2014 (1÷3)
		12.3.16. Vanadium/V	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.17. Carbon/C	БДС EN ISO 16948 (ISO 16948)* (1÷4)
		12.3.18. Iron/Fe	ETC 7.1-37/2014 (1÷3)
		12.3.19. Mercury/Hg	БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.20. Cadmium/Cd	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.21. Potassium/K	ETC 7.1-37/2014 (1÷3)
		12.3.22. Calcium/Ca	ETC 7.1-37/2014 (1÷3)
		12.3.23. Cobalt/Co	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.24. Magnesium/Mg	ETC 7.1-37/2014 (1÷3)
		12.3.25. Manganese/Mn	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.26. Copper/Cu	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.27. Molybdenum/Mo	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		12.3.28. Sodium/Na	ETC 7.1-37/2014 (1÷3)
		12.3.29. Nickel/Ni	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.30. Lead/Pb	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.31. Sulphur/S	ETC 7.3-4/2014 (1÷4) БДС EN ISO 16994 (cl. 8.1.1 and cl. 8.2.1) (ISO 16994 (cl. 8.1.1 and cl. 8.2.1))* (1÷3)
		12.3.32. Thallium/Tl	ETC 7.1-37/2014 (1÷3)
		12.3.33. Titanium/Ti	ETC 7.1-37/2014 (1÷3)
		12.3.34. Phosphorus/P	ETC 7.1-37/2014 (1÷3)
		12.3.35. Chlorine/Cl	БДС EN ISO 16994 (cl. 8.1.1 and cl. 8.2.1) (ISO 16994 (cl. 8.1.1 and cl. 8.2.1))* (1÷3)
		12.3.36. Chromium/Cr	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.37. Zinc/Zn	ETC 7.1-37/2014 (1÷3) БДС EN ISO 16968 (ISO 16968)* (1÷3)
		12.3.38. Nitrogen/N	БДС EN ISO 16948 (ISO 16948)* (1,2,3)
13.	Metals, alloys, articles, jewelry alloys	13.1. Chemical elements from Na to U	ETC 7.2.1-28/2010 ISO 22309*
		13.2. Carbon	ETC 7.3-22/2010
14.	Wastes	14.1. pH	БДС EN ISO 10523 (ISO 10523)* БДС EN ISO 10390 (ISO 10390)*
		14.2. Electrical conductivity	БДС EN 27888 (cl. 7.2) (EN 27888 (cl. 7.2))* СД CEN/TS 15937 (CEN/TS 15937)*
		14.3. Dry matter/ Dry residue	БДС EN 15934 (Method A) (EN 15934 (Method A))* БДС EN 12880 (EN 12880)*
		14.4. Dissolved solids (TDS)/ Total dissolved solids (TDS)	БДС 17.1.4.04* БДС EN 15216 (EN 15216)*
		14.5. Moisture - (total)	БДС EN 12880 (EN 12880)* СД CEN/TS 15414-2 (CEN/TS 15414-2)*
		- (analytical)	БДС EN ISO 21660-3 (ISO 21660-3)*
		14.6. Loss on ignition	БДС EN 15935 (EN 15935)* ETC 7.1-3/2022
		14.7. Particle size distribution	БДС ISO 2591-1 (ISO 2591-1)* БДС EN 15428 (EN 15428)* СД CEN/TS 16202 (CEN/TS 16202)*
		14.8. Alkalinity	ETC 7.1.3-6/2014
		14.9. Nitrogen/N	БДС EN ISO 21663 (ISO 21663)*
		14.10. Kjeldahl Nitrogen	БДС EN 16169 (EN 16169)*
		14.11. Ammonium (NH <sub>4</sub> <sup>+</sup> )	ETC 7.1.3-18/2010



<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>Nº</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		14.12. Nitrogen ammonium (N-NH <sub>4</sub> <sup>+</sup> )	ETC 7.1.3-18/2010 ISO/TS 14256-1*
		14.13. Nitrites	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.14. Nitrite nitrogen (N-NO <sub>2</sub> <sup>-</sup> )	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.15. Nitrates	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.16. Nitrate nitrogen (N-NO <sub>3</sub> <sup>-</sup> )	БДС EN ISO 10304-1 (ISO 10304-1)* ISO/TS 14256-1*
		14.17. Chlorine/Cl	БДС EN 15408 (EN 15408)*
		14.18. Chlorides	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.19. Sulphates	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.20. Phosphorus/P	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
		- expressed as P <sub>2</sub> O <sub>5</sub>	БДС EN 15309 (EN 15309)* БДС EN 16170 (EN 16170)* EPA 6010D*
		14.21. Phosphates/ Orthophosphates	ETC 7.1.3-21/2021 (cl. 8.2.1) БДС EN ISO 10304-1 (ISO 10304-1)*
		14.22. Phosphates such as Phosphorus (PO <sub>4</sub> <sup>3-</sup> -P)	ETC 7.1.3-21/2021 (cl. 8.2.1) БДС EN ISO 10304-1 (ISO 10304-1)*
		14.23. Fluorine /F	БДС EN 15408 (EN 15408)*
		14.24. Fluorides	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.25. Bromine/Br	БДС EN 15408 (EN 15408)*
		14.26. Bromides	БДС EN ISO 10304-1 (ISO 10304-1)*
		14.27. Cyanides (free)	ETC 7.1.3-41/2021
		14.29. Cyanides (easily liberatable)	ISO 6703-2 (Section 2/ Section 2)*
		14.30. Cyanides (total)	БДС ISO 6703-1 (Section 2) (ISO 6703-1 (Section 2))* ISO 11262*
		14.31. Absorbable organic halogens (AOX)	ETC 7.1.3-26/2010
		14.32. Aluminium/Al	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15309 (EN 15309)*
		14.33. Antimony/Sb	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.34. Arsenic/As	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.35. Barium/Ba	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*



<b>Type of the scope: flexible for part of the scope</b>			
<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.36. Beryllium/Be	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.37. Bismuth/Bi	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* EPA 6010D*
		14.38. Boron/B	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 16170 (EN 16170)* EPA 6010D*
		14.39. Vanadium/V	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.40. Tungsten/W	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* EPA 6010D*
		14.41. Carbon/C - Total carbon (TC)  - Total organic carbon (TOC)	БДС EN ISO 21663 (ISO 21663)* ETC 7.3-2/2016 БДС EN 15936 (Method B) (EN 15936 (Method B))* ETC 7.1.3-27/2010 БДС EN 1484 (EN 1484)* ETC 7.3-2/2016 БДС EN 15936 (Method B) (EN 15936 (Method B))*
		- Dissolved Organic Carbon (DOC) - Total inorganic carbon (TIC)	ETC 7.1.3-27/2010 БДС EN 1484 (EN 1484)* ETC 7.3-2/2016
		14.42. Gallium/Ga	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 16170 (EN 16170)* EPA 6010D*
		14.43. Iron/Fe	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D*
		14.44. Mercury/Hg	БДС EN 15309 (EN 15309)* ETC 7.1-40/2016 БДС EN ISO 17852 (ISO 17852)* БДС EN 16175-2 (EN 16175-2)* ETC 7.1-16/2014

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			БДС EN 15411 (EN 15411)*
		14.45. Gold	ETC 7.1-42/2016 (cl. 8.2.5)
			ETC 7.1-42/2016 (cl. 8.2.4.1)
			ETC 7.1-42/2016 (cl. 8.2.4.2)
			ETC 7.1-4/2017 (cl. 8.2.2)
			ETC 7.1-4/2017 (cl. 8.2.1)
		14.46. Yttrium /Y	EPA 6010D*
		14.47. Cadmium/Cd	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			ETC 7.1-38/2014
			БДС EN 16170 (EN 16170)*
			EPA 6010D*
			БДС EN 15411 (EN 15411)*
		14.48. Tin/Sn	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			БДС EN 16170 (EN 16170)*
			EPA 6010D*
		14.49. Potassium/K	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			БДС EN 15309 (EN 15309)*
			ETC 7.1-38/2014
		- expressed as K <sub>2</sub> O	БДС EN 16170 (EN 16170)*
			EPA 6010D*
		14.50. Calcium/Ca	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			БДС EN 15309 (EN 15309)*
			ETC 7.1-38/2014
		- expressed as CaO	БДС EN 16170 (EN 16170)*
			EPA 6010D*
		14.51. Cobalt/Co	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			ETC 7.1-38/2014
			БДС EN 16170 (EN 16170)*
			EPA 6010D*
			БДС EN 15411 (EN 15411)*
		14.52. Lanthanum/La	EPA 6010D*
			БДС EN 16170 (EN 16170)*
		14.53. Lithium/Li	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			ETC 7.1-38/2014
			БДС EN 16170 (EN 16170)*
			EPA 6010D*
		14.54. Magnesium/Mg	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*
			БДС EN 15309 (EN 15309)*
			ETC 7.1-38/2014
		- expressed as MgO	БДС EN 16170 (EN 16170)*
			EPA 6010D*
		14.55. Manganese/Mn	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))*

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
			ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)* БДС EN 15309 (EN 15309)*
		14.56. Copper/Cu	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 EPA 6010D* БДС EN 16170 (EN 16170)* БДС EN 15411 (EN 15411)* ETC 7.1-10/2017 БДС EN 15309 (EN 15309)*
		14.57. Molybdenum/Mo	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)* БДС EN 15309 (EN 15309)*
		14.58. Sodium/Na	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15309 (EN 15309)*
		14.59. Nickel/Ni	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.60. Lead/Pb	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.61. Palladium/Pd	ETC 7.1-42/2016 (cl. 8.2.5)
		14.62. Platinum/Pt	ETC 7.1-42/2016 (cl. 8.2.5)
		14.63. Selenium/Se	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 15411 (EN 15411)* БДС EN 16170 (EN 16170)*
		14.64. Silicon/Si	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 15309 (EN 15309)*
		14.65. Silver/Ag	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D*



Type of the scope: flexible for part of the scope			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
			ETC 7.1-13/2016
		14.66. Strontium/Sr	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 16170 (EN 16170)* EPA 6010D*
		14.67. Sulphur/S	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 15408 (EN 15408)*
		- (total)	ETC 7.3-7/2018
		- (sulphide)	ETC 7.1-25/2017
		- (sulphate)	ETC 7.1-25/2017
		14.68. Thallium/Tl	БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.69. Tellurium/Te	БДС EN 16170 (EN 16170)* EPA 6010D*
		14.70. Titanium/Ti	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15309 (EN 15309)*
		14.71. Chromium (total) /Cr	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.72. Chromium (hexavalent)/ Cr <sup>6+</sup>	ISO 11083 (cl. 7.1)*
		14.73. Zinc/Zn	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* ETC 7.1-38/2014 БДС EN 16170 (EN 16170)* EPA 6010D* БДС EN 15411 (EN 15411)*
		14.74. Zirconium/Zr	БДС EN ISO 11885 (cl. 9.5.1) (ISO 11885 (cl. 9.5.1))* БДС EN 16170 (EN 16170)* EPA 6010D*
		14.75. Silicon dioxide/SiO <sub>2</sub> 14.76. Dialuminum trioxide/Al <sub>2</sub> O <sub>3</sub> 14.77. Magnesium oxide/MgO 14.78. Disodium oxide/Na <sub>2</sub> O 14.79. Titanium Dioxide/TiO <sub>2</sub> 14.80. Diiron trioxide/Fe <sub>2</sub> O <sub>3</sub>	ETC 7.1-3/2022
		14.81. Dipotassium oxide/K <sub>2</sub> O 14.82. Calcium oxide/CaO 14.83. Manganese oxide/MnO 14.84. Diphosphorus pentoxide/P <sub>2</sub> O <sub>5</sub>	
		14.85. Chemical elements from Na to U	ETC 7.2.1-28/2010 ISO 22309*

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
		14.86. Phenol index	БДС ISO 6439 (Method A, Method B) (ISO 6439 (Method A, Method B))* ETC 7.3-10/2021
		14.87. Petroleum products /non-polar hydrocarbons C <sub>10</sub> -C <sub>40</sub> /	БДС EN 14039 (EN 14039)*
		14.89. Volatile organic compounds (VOC)	EPA 5021A*, **
		14.90. Polycyclic aromatic hydrocarbons (PAH)	БДС EN 17503 (EN 17503)*
		14.91. Pesticides:	
		14.91.1. Polychlorinated biphenyls	БДС EN 17322 (EN 17322)*, ** ETC 7.3-6/2020**
		14.91.2. Organochlorine pesticides	ETC 7.3-6/2020**
		14.92. Fats (vegetable oils and animal fats)	ETC 7.3-31/2012
		14.93. Calorific value / Heat of combustion	СД CEN/TS 16023 (CEN/TS 16023)* БДС EN ISO 21654 (ISO 21654)*
		14.94. Neutralization potential ratio (NPR)	БДС EN 15875 (EN 15875)*
		14.95. Acid neutralization capacity (ANC)	СД CEN/TS 15364 (CEN/TS 15364)*
		14.96. Ash	БДС EN ISO 21656 (ISO 21656)*
		14.97. Volatile matter	БДС EN ISO 22167 (ISO 22167)*
15.	Thin layers (including picturesque) (1), glasses (2), micro-particles with sizes from 0.1µm to 100 µm (3)	15.1. Chemical elements from Na to U	ETC 7.2.1-28/2010 (1÷3) ISO 22309 (1÷3)*
16.	Xanthogenate	16.1. Water	ETC 7.3-30/2012
		16.2. Purity (Xanthogenate content)	ETC 7.1.3-42/2012
17.	Adhesives	17.1. Tensile adhesion strength: - initial - after water immersion - after heat ageing - after freeze/thaw cycles	БДС EN 12004-2 (cl. 8.3) (EN 12004-2 (cl. 8.3))*
		17.2. Shear adhesion strength: - initial - after water immersion - after hear ageing - after thermal shock - at elevated temperature	БДС EN 12004-2 (cl. 8.4 and cl. 8.5) (EN 12004-2 (cl. 8.4 and 8.5))*
		17.3. Open time, by using tensile strength	БДС EN 12004-2 (cl. 8.1) (EN 12004-2 (cl. 8.1))*
		17.4. Slip	БДС EN 12004-2 (cl. 8.2) (EN 12004-2 (cl. 8.2))*
18.	Mortars and dry mixtures for	18.1. Compressive strength	БДС EN 12190 (EN 12190)* БДС EN 1015-11 (EN 1015-11)*

<b>Type of the scope:</b> <i>flexible for part of the scope</i>			
<b>№</b>	<b>Tested products</b>	<b>Type of test / characteristic</b>	<b>Testing methods (standard / validated method)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	finishing		БДС EN 13888-2 (EN 13888-2)*
			БДС EN 13892-2 (EN 13892-2)*
		18.2. Water absorption/ coefficient due to capillary water absorption/ capillary water absorption or liquid water permeability	БДС EN 12808-5 (EN 12808-5)*
			БДС EN 1015-18 (EN 1015-18)*
			БДС EN 13057 (EN 13057)*
			БДС EN 1062-3 (EN 1062-3)*
		18.3. Tensile adhesive strength / adhesive strength	БДС EN 1015-12 (EN 1015-12)*
			БДС EN 1542 (EN 1542)*
			БДС EN 13892-8 (EN 13892-8)*
		18.4. Adhesive strength after thermal compatibility	БДС EN 13687-1 (EN 13687-1)*
БДС EN 13687-3 (EN 13687-3)*			
18.5. Dry bulk density of hardened mortar	БДС EN 1015-10+A1 (EN 1015-10+A1)*		
19. Building lime	19.1. Free water	БДС EN 459-2 (cl. 5.4) (EN 459-2 (cl. 5.4)*	
	19.2. Calcium oxide/CaO	БДС EN 459-2 (cl. 5.2) (EN 459-2 (cl. 5.2)*	
	19.3. Magnesium oxide/MgO	БДС EN 459-2 (cl. 5.2) (EN 459-2 (cl. 5.2)*	
	19.4. Total CaO and MgO content	БДС EN 459-2 (cl. 5.2) (EN 459-2 (cl. 5.2)*	
	19.5. Loss on ignition	БДС EN 459-2 (cl. 5.7) (EN 459-2 (cl. 5.7)*	
	19.6. Sulphates (expressed as SO <sub>3</sub> )	БДС EN 459-2 (item 5.3) (EN 459-2 (item 5.3)*	

### To perform sampling of:

<b>Type of the scope:</b> <i>flexible for part of the scope</i>		
<b>№</b>	<b>Product</b>	<b>Sampling method (standardized/ validated)</b>
<b>1</b>	<b>2</b>	<b>3</b>
1.	Water: drinking (1), mineral (2), surface (3), ground (4), from swimming pools (5), waste (6)	БДС ISO 5667-4 (ISO 5667-4)* (3, 5), БДС ISO 5667-5 (ISO 5667-5)* (1, 2), БДС EN ISO 5667-6 (ISO 5667-6)* (3), БДС ISO 5667-10 (ISO 5667-10)* (6), БДС ISO 5667-11 (ISO 5667-11)* (4), БДС EN ISO 19458 (ISO 19458)* (1÷4)
2.	Soils (1), sludge and sediments (2)	БДС 17.4.5.01* (1), БДС ISO 18400-102 (ISO 18400-102)* (1), БДС ISO 5667-12 (ISO 5667-12)* (2), БДС EN ISO 5667-13 (ISO 5667-13)* (2)
3.	Ores and products from processing thereof	БДС ISO 12743 (ISO 12743)*
4.	Petroleum products	БДС EN ISO 3170 (ISO 3170)*
5.	Natural gas and liquefied hydrocarbons	БДС EN ISO 10715 (ISO 10715)*
6.	Solid biofuels	БДС EN ISO 18135 (ISO 18135)*



<b>Type of the scope:</b> <i>flexible for part of the scope</i>		
<b>№</b>	<b>Product</b>	<b>Sampling method (standardized/ validated)</b>
<b>1</b>	<b>2</b>	<b>3</b>
7.	Wastes	СД CEN/TR 15310-2 (CEN/TR 15310-2)*, БДС EN 12579 (EN 12579)*
8.	Concrete	БДС EN 12350-1 (EN 12350-1)*
9.	Rocks and aggregates	БДС EN 932-1 (EN 932-1)*, БДС EN 13286-1 (EN 13286-1)*
10.	Cement	БДС EN 196-7 (EN 196-7)*

**\*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.*

**\*\*** *Within its competence, the laboratory is authorized to determine all characteristics (column 3) according to the marked test methods (column 4) belonging to the product group (column 2) after verification/validation, CRM/RM presence and calibrated technical equipment. The laboratory maintains a detailed, dated list of products and characteristics belonging to the products and characteristics mentioned in the scope of accreditation.*

**\*\*\*** *Repealed but not replaced testing methods.*

**Fixed scope:**

**References:**

ETC 7.1.3-1/2021	Water. Determination of metasilicic acid and silicon dioxide content.
ETC 7.1.3-10/2014	Water. Determination of free carbon dioxide (CO <sub>2</sub> ) and acidity content.
ETC 7.1.3-11/2010	Soils, sludge and sediments. Determination of humus content by I.V.Turin method.
ETC 7.1.3-13/2010	Soils. Determination of the content of mobile forms of potassium and phosphorus. Acetate-lactate method.
ETC 7.1.3-16/2021	Water, liquid waste and eluates, water extract from soils, sludge and sediments. Nitrite content determination method. Photometric method.
ETC 7.1.3-17/2010	Water, liquid waste and eluates, water extract from soils, sludge and sediments. Nitrate content determination method. Photometric method.
ETC 7.1.3-18/2010	Water, liquid waste and eluates, water extract from soils, sludge and sediments. Ammonium content determination method. Photometric method.
ETC 7.1.3-19/2010	Water, liquid waste and eluates. Total nitrogen content determination method. Photometric method.
ETC 7.1.3-20/2010	Water. Method for determining free and total chlorine content. Photometric method.
ETC 7.1.3-21/2021	Water, liquid waste and eluates, water extract from soils, sludge and sediments. Ortho-phosphates content determination method. Photometric method.
ETC 7.1.3-22/2010	Water, liquid waste and eluates. Hydrogen sulphides (HS <sup>-</sup> ) and sulphides (S <sup>2-</sup> ) content determination method. Photometric method.
ETC 7.1.3-23/2010	Water, liquid waste and eluates, water extraction from soils, sludge and sediments. Method for determination of fluoride content. Photometric method.
ETC 7.1.3-25/2010	Water. COD (chemical oxygen demand) content determination method. Photometric method.
ETC 7.1.3-26/2010	Water. AOX (absorbable organic halogens) content determination method. Photometric method.

ETC 7.1.3-27/2010	Water, liquid waste and eluates. TOC (Total organic carbon) and DOC (Dissolved Organic Carbon) content determination method. Photometric method.
ETC 7.1.3-28/2021	Water. Determination of turbidity. Spectrophotometric method.
ETC 7.1.3-29/2010	Water. Determination of natural uranium content. Luminescence method.
ETC 7.1.3-30/2021	Water. Determination of natural uranium content. Spectrophotometric method.
ETC 7.1.3-31/2010	Water extract from soils, sludge and sediments. Titrimetric method for determination of calcium and magnesium.
ETC 7.1.3-35/2010	Water extract from soils, sludge and sediments. Determination of fluorides, chlorides, nitrites, nitrates, phosphates and sulphates by liquid chromatography.
ETC 7.1.3-39/2010	Paper and cardboard. Determination of chromium hexavalent. Photometric method.
ETC 7.1.3-40/2010	Sludge and sediments. Determination of easy volatile, complex and total cyanides. Photometric method
ETC 7.1.3-41/2021	Waters, liquid wastes and eluates. Determination of free cyanides. Spectrophotometric method.
ETC 7.1.3-42/2012	Xanthogenate. Determination of purity.
ETC 7.1.3-44/2014	Water. Determination of total mineralization.
ETC 7.1.3-45/2021	Water. Determination of anionic surfactants.
ETC 7.1.3-49/2021	Water. Determination of bromates by spectrophotometric method.
ETC 7.1.3-5/2014	Water. Determination of meta-boric acid content.
ETC 7.1.3-6/2014	Water, liquid waste and eluates, water extract from soils, sludge and sediments. Determination of the content of carbonates, hydrocarbons, alkalinity and carbonate hardness.
ETC 7.1.3-7/2014	Water. Determination of bromides content.
ETC 7.1.3-8/2014	Water. Determination of iodides content.
ETC 7.1-10/2017	Natural materials, soils, sludge, sediments and wastes. Determination of copper content by Atomic Absorption Spectrometry Method (AAS)
ETC 7.1-13/2016	Determination of the silver content in solid natural and industrial materials by Atomic Absorption Spectrometry Method (AAS).
ETC 7.1-16/2014	Natural materials, sludge and sediments, wastes. Determination of mercury by cold vapor atomic absorption spectrometry (CVAAS).
ETC 7.1-18/2017	Silicate analysis by inductively coupled plasma atomic emission spectrometry (ICP-AES). Determination of moisture and loss on ignition.
ETC 7.1-25/2017	Solid natural materials and products from technological processing. Combustion method for determining sulphide sulphur and sulphate sulphur.
ETC 7.1-28/2017	Determination of water-soluble, accessible and exchangeable forms of the elements by inductively coupled plasma atomic emission spectrometry (ICP-AES).
ETC 7.1-29/2019	Determination of elements content by inductively coupled plasma atomic emission spectrometry (ICP-AES).
ETC 7.1-3/2022	X-ray fluorescence analysis. Determination of elements and their oxides.
ETC 7.1-33/2010	Natural materials and soils. Determination of water soluble forms of mercury. Cold vapor atomic absorption spectrometry (CVAAS).
ETC 7.1-37/2014	Biofuels, biomass. Determination of elements content by inductively coupled plasma atomic emission spectrometry (ICP-AES).
ETC 7.1-38/2014	Solid waste. Determination of elements content by inductively coupled plasma atomic emission spectrometry (ICP-AES).
ETC 7.1-4/2017	Natural materials, soils, sludge and sediments. Determination of gold content by Atomic Absorption Spectrometry Method (AAS).



ETC 7.1-40/2016	Determination of mercury content in water. Cold vapor atomic absorption spectrometry (CVAAS).
ETC 7.1-41/2016	Determination of copper content in solid natural and production industrial materials. Titrimetric method of analysis.
ETC 7.1-42/2016	Determination of elements in solid natural and industrial materials after fire assay method.
ETC 7.1-53/2018	Water. Determination of uranium content by inductively coupled plasma optic emission spectrometry (ICP-OES).
ETC 7.2.1-28/2010	Metals, alloys, ferroalloys, articles, jewelry alloys and articles made out of them, thin layers, glass, micro-particles with sizes from 0.1 µm to 100 µm. Determination of chemical composition by scanning electron microscopy and X-ray microanalysis.
ETC 7.2.1-30/2010	Rocks and minerals. Mono layer shear with pressure in inclined matrices (Fisenko shearing method).
ETC 7.3-1/2020	Water. Determination of Volatile Organic Compounds (VOC)
ETC 7.3-10/2021	Water. Determination of phenols and phenol index. Photometry method.
ETC 7.3-15/2010	Ores and concentrates. Determination of sulphur content by element analyzer.
ETC 7.3-2/2016	Soils, rocks and minerals, sludge and sediments and solid wastes. Determination of total carbon, total organic carbon and total inorganic carbon.
ETC 7.3-22/2010	Ores and concentrates, metals and alloys. Determination of carbon content by element analyzer.
ETC 7.3-23/2016	Water. Determination of the content of total extractable hydrocarbons by C10-C40/ by gas chromatography (GC-FID).
ETC 7.3-24/2010	Soils, sludge and sediments. Determination of sulphur trioxide content by "Leco SC-32" analyzer.
ETC 7.3-25/2010	Wastes. Determination of calorific value by calorimeter LTK-10 type .
ETC 7.3-26/2010	Sludge and sediments. Determination of the content of petroleum products/non-polar hydrocarbons C10-C40 /by gas chromatograph (GC-FID).
ETC 7.3-28/2020	Water. Determination of organochlorine pesticides, polychlorinated biphenyls and chlorobenzenes.
ETC 7.3-29/2020	Water. Determination of organonitrogen and organophosphorus pesticides.
ETC 7.3-3/2014	Soils, sludge and sediments and solid wastes. Determination of total extractable hydrocarbons /C10 – C40/ by gas chromatography (GC-FID).
ETC 7.3-30/2012	Xanthogenate. Determination of water content according to Karl Fisher method by volume titration.
ETC 7.3-31/2012	Determination of fat content (vegetable and animal) in water, soils and wastes.
ETC 7.3-4/2014	Coal, biofuels, solid recovered fuels. Determination of sulphur.
ETC 7.3-5/2014	Petroleum products. Determination of sulphur.
ETC 7.3-6/2020	Soils, sludge and sediments. Determination of polychlorinated biphenyls, chlorobenzenes and organochlorine pesticides.
ETC 7.3-7/2018	Rocks and minerals, sludge and sediments, solid waste. Determination of sulphur.

### I ORDER

To issue the certificate of accreditation reg. № 9 ЛИ of 27.06.2023 valid until 29.05.2024 and this order enclosed as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the Manager of Eurotest-Control EAD the head of Testing Laboratory Directorate at Eurotest-Control EAD or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of certificate of accreditation reg. № 9 ЛИ/18.03.2022, valid until 29.05.2024 and its enclosure EA BAS order reg. № A 207/18.03.2022.

This order shall be notified to the Eurotest-Control EAD within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

*Executive Director of EA BAS*

