

Scope type: flexible for part of the scope			
№	Name of tested products	Test type/ characteristic	Testing methods (standard/validated method)
1	2	3	4
1.	Waters: drinking(1), mineral(2), surface(3), ground(4), from swimming pools(5), waste(6)	1.1. Odor	БДС 17.1.4.01* (1÷4,6)
		1.2. Taste	БДС 8451* (1,2,4)
		1.3. Temperature	БДС 8451* (1) БДС 17.1.4.01* (1÷4,6)
		1.4. Color	БДС 8451* (1) БДС 17.1.4.01* (1÷4,6)
		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* (1÷6)
		1.8. Electrical conductivity	БДС EN 27888 (item 7.2) (EN 27888 (item 7.2))* (1÷6)
		1.9. Total dry residue	БДС 17.1.4.04* (1÷6) БДС 3546* (1)
		1.10. Total mineralization	ETC 7.1.3-44/2014 (1÷6)
		1.11. Total Dissolved Substances (TDS) 1.11. Разтворени вещества (TDS)	БДС 17.1.4.04* (1÷6) БДС EN 15216 (EN 15216)* (3, 6)
		1.12. Undissolved solids	БДС 17.1.4.04* (1÷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)
		1.15. Chemical Oxygen Demand (COD)	ETC 7.1.3-25/2010 (1÷6)
		1.16. Biochemical oxygen demand after n days (BODn)	БДС EN ISO 5815-1 (item 9.6.1) (ISO 5815-1 (item 9.6.1))* (1÷6) БДС EN ISO 5815-1 (item 9.6.2) (ISO 5815-1 (item 9.6.2))* (1÷6) БДС EN 1899-2 (item 7.2.1) (EN 1899-2 (item 7.2.1))* (1÷6) БДС EN 1899-2 (item 7.2.2) (EN 1899-2 (item 7.2.2))* (1÷6)
		1.17. Dissolved oxygen	БДС EN 25813 (EN 25813)*(1÷6)
		- % saturation	БДС EN ISO 5814 (ISO 5814)* (1÷6)
		1.18. Total hardness	БДС ISO 6059 (ISO 6059)* (1÷6)
		1.19. Calcium/Ca	БДС ISO 6058 (ISO 6058)* (1÷6) БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
1.20. Magnesium/Mg	БДС ISO 6059 (ISO 6059)* (1÷6) БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)		

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		1.21. Carbonates	ETC 7.1.3-6/2014 (1÷6) БДС EN ISO 9963-1 (ISO 9963-1)* (1÷6)
		1.22. Hydrogencarbonates (Hydrocarbonates)/ Bicarbonates	
		1.23. Alkalinity	
		1.24. Carbonate hardness	ETC 7.1.3-6/2014 (1÷6)
		1.25. Nitrogen (total)	ETC 7.1.3-19/2010 (1÷6)
		1.26. Kjeldahl Nitrogen	БДС EN 25663 (EN 25663)* (1÷4,6)
		1.27. Ammonium ions/ Ammonium (NH ₄ ⁺)	ETC 7.1.3-18/2010 (1÷6) БДС 17.1.4.10 (item 2)* (3,4,6) БДС 3587 (item 2)* (1)
		1.28. Nitrogen – ammonium (N-NH ₄ ⁺)	ETC 7.1.3-18/2010 (1÷6) БДС 17.1.4.10 (item 2)* (3,4,6) БДС 3587 (item 2)* (1)
		1.29. Nitrites	ETC 7.1.3-16/2021 (item 8.2.1) (1÷6) ETC 7.1.3-16/2021 (item 8.2.2) (3) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.30. Nitrite nitrogen (N-NO ₂ ⁻)	БДС EN ISO 10304-1 (ISO 10304-1) (1÷6)* ETC 7.1.3-16/2021 (item 8.2.1) (1÷6) ETC 7.1.3-16/2021 (item 8.2.2) (3)
		1.31. Nitrates	ETC 7.1.3-17/2010 (1÷4,6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.32. Nitrate nitrogen (N-NO ₃ ⁻)	ETC 7.1.3-17/2010 (1÷4,6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.33. Residual free chlorine	БДС EN ISO 7393-2 (ISO 7393-2)* (1,3,4) ETC 7.1.3-20/2010 (1÷6)
		1.34. Total chlorine	БДС EN ISO 7393-1 (ISO 7393-1)* (1÷6) ETC 7.1.3-20/2010 (1÷6)
		1.35. Chlorides	ISO 9297 (1÷6)* БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.36. Sulphates	БДС 17.1.4.03* (1÷4,6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.37. Hydrogen sulphide	БДС 17.1.4.09* (1÷4, 6)
		1.38. Sulphides (S ²⁻)	ETC 7.1.3-22/2010 (1÷6)
		1.39. Sulphides (expressed as S)	ETC 7.1.3-22/2010 (1÷6)
		1.40. Phosphorus/P	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3)* (1÷6)

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		1.41. Phosphates/Orthophosphates	ETC 7.1.3-21/2021 (item 8.2.1) (1÷6) ETC 7.1.3-21/2021 (item 8.2.2) (3) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		- expressed as phosphorus (PO ₄ ³⁻ -P)	ETC 7.1.3-21/2021 (item 8.2.1) (1÷6) ETC 7.1.3-21/2021 (item 8.2.2) (3) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		- expressed as P ₂ O ₅ (P ₂ O ₅ -P)	ETC 7.1.3-21/2021 (item 8.2.1) (1÷6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.42. Fluorides	ETC 7.1.3-23/2010 (1÷6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.43. Iodides	ETC 7.1.3-8/2014 (1÷6) БДС EN ISO 10304-3 (ISO 10304-3)* (1÷6)
		1.44. Bromides	ETC 7.1.3-7/2014 (1÷6) БДС EN ISO 10304-1 (ISO 10304-1)* (1÷6)
		1.45. Bromates	ETC 7.1.3-49/2021 (item 8.2.1) (1÷4) ETC 7.1.3-49/2021 (item 8.2.2) (2)
		1.46. Boron/B	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.47. Metaboric acid	ETC 7.1.3-5/2014 (1÷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 (1÷6) БДС EN 1484 (EN 1484)* (1÷6)
		1.50. Free Carbon Dioxide	ETC 7.1.3-10/2014 (1÷6)
		1.51. Acidity	ETC 7.1.3-10/2014 (1÷6)
		1.52. Silicon/Si	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.53. Metasilicic acid	ETC 7.1.3-1/2021 (1÷6)
		1.54. Silicon dioxide (SiO ₂)	ETC 7.1.3-1/2021 (1÷6)
		1.55. Cyanides (free)	ETC 7.1.3-41/2021 (item 8.2.1) (1÷6) ETC 7.1.3-41/2021 (item 8.2.2) (3)
		1.56. Cyanides (easily liberatable)	ISO 6703-2 Section 2/ Section 2)* (1÷6)

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1	2	3	4
		1.57. Cyanides (total)	БДС ISO 6703-1 (Section 2) (ISO 6703-1 (Section 2))* (1÷6)
		1.58. Anionic surfactants	ETC 7.1.3-45/2021 (1÷4,6)
		1.59. Absorbable organic halogens (AOX)	ETC 7.1.3-26/2010 (1÷6)
		1.60. Aluminium /Al	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.61. Antimony/Sb	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.62. Arsenic/As	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.63. Barium/Ba	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.64. Beryllium/Be	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.65. Bismuth/Bi	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.66. Vanadium/V	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.67. Tungsten/W	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.68. Gallium/Ga	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.69. Iron/Fe	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 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 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)

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1	2	3	4
		1.72. Cadmium/Cd	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.73. Tin/Sn	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.74. Potassium/K	БДС ISO 9964-3 (ISO 9964-3)* (1÷4) БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.75. Cobalt/Co	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.76. Lithium/Li	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.77. Manganese/Mn	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.78. Copper/Cu	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.79. Molybdenum/Mo	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.80. Sodium/Na	БДС ISO 9964-3 (ISO 9964-3)* (1÷4) БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.81. Nickel/Ni	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.82. Lead/Pb	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.83. Selenium/Se	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.84. Silver/Ag	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)

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		1.85. Strontium/Sr	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.86. Sulfur/S	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.87. Titanium/Ti	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.88. Chromium/Cr	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.89. Chromium (hexavalent)	БДС 17.1.4.17 (1÷6)* ISO 11083 (item 7.1)* (1÷6) БДС EN ISO 18412 (ISO 18412)* (3)
		1.90. Chromium (trivalent)	БДС 17.1.4.17* (1÷6)
		1.91. Zinc/Zn	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.92. Zirconium/Zr	БДС EN ISO 11885 (item 9.5.1 and item 9.5.3) (ISO 11885 (item 9.5.1 and item 9.5.3))* (1÷6)
		1.93. Gas composition (after degassing)	СТ СИБ 2103* (4)
		1.94. Phenols	БДС 17.1.4.13* (3,4,6) 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 ₁₀ -C ₄₀ /	БДС EN ISO 9377-2 (ISO 9377-2)* (3÷4,6)
		1.97. Total extractable hydrocarbons C ₁₀ -C ₄₀	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)
		1.99. Polycyclic aromatic hydrocarbons (PAH)	ISO 28540*, ** (1÷4,6)
		1.100. Pesticides:	
		1.100.1. Polychlorinated biphenyls	ETC 7.3-28/2020** (1÷4,6)
		1.100.2. Organochlorine Pesticides	ETC 7.3-28/2020** (1÷4,6)
		1.100.3. Chlorobenzenes	EPA 8151A* (1÷4,6)

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1	2	3	4
		1.100.4. Organophosphorus and organonitrogen pesticides	ETC 7.3-28/2020** (1÷4,6)
		1.100.5. Pyrethroids	ETC 7.3-29/2020** (1÷4,6)
		1.101. Fats (vegetable oils and animal fats)	ETC 7.3-31/2012 (3,4,6)
		1.102. Natural uranium	ETC 7.1.3-29/2010 (1÷6) ETC 7.1.3-30/2021 (1÷6) ETC 7.1-53/2018 (item 8.2.1) (1÷4) ETC 7.1-53/2018 (item 8.2.2) (1÷4)
		1.103. Radium 226	БДС 12575* (1÷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)
		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)