**SCOPE 9 ЛИ**

**Sofia, 11.08.2025**

**EUROTEST-CONTROL EAD**

**TESTING LABORATORY DIRECTORATE**

**Management address:** 1517 Sofia, Poduyane, 108 Besarabia Str.

**Laboratory address:** 1517 Sofia, Poduyane, 108 Besarabia Str.

**To perform testing of**:

| **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 |
| 1. | Water: drinking (1),mineral (2),surface (З),ground (4),from swimmingpools (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÷4) БДС 17.1.4.01 (6) |
| 1.4. Color | БДС 8451 (1÷5) БДС 17.1.4.01 (6) |
| 1.5. Turbidity | БДС EN ISO 7027-1 (1÷4,6) |
| 1.6. рН | БДС EN ІSO 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 (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 (3,6) |
| 1.12. Undissolved solids | БДС 17.1.4.04 (2÷6) |
| 1.13. Suspended solids | БДС EN 872 (1,3,4,6) |
| 1.14. Permanganate oxidation | БДС 17.1.4.16 (2÷6) БДС 3413 (1,2,5) |
| 1.15. Chemical Oxygen Demand (COD) | БДС ISO 15705 (1÷6) |
| 1.16. Biochemical oxygen demand after n days (BODn) | БДС EN ISO 5815-1,  cl. 9.6.1 (1,3,4,6)БДС EN ISO 5815-1 cl. 9.6.2 (1,3,4,6)БДС EN 1899-2 cl. 7.2.1 (1,3,4,6)БДС EN 1899-2 cl. 7.2.2 (1,3,4,6) |
| 1.17. Dissolved oxygen- % saturation | БДС EN 25813 (1,3,4,6)БДС EN ISO 5814 (1,3,4,6) |
| 1.18. Total hardness | БДС ІSO 6059 (1÷5)EPA 130.2 (6) |
| 1.19. Calcium/Са | БДС ІSO 6058 (1÷5)БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.20. Magnesium/Mg | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.21. Carbonates | ETC 7.1.3-6/2014 (1÷4,6)БДС EN ISO 9963-1, cl. 8.2) (1÷4,6) |
| 1.22. Hydrogencarbonates  | ETC 7.1.3-6/2014 (1÷4,6)БДС EN ISO 9963-1, cl. 8.2 (1÷4,6) |
| 1.23. Alkalinity | ETC 7.1.3-6/2014 (1÷4,6)БДС EN ISO 9963-1, cl. 8.2 (1÷4,6) |
| 1.24. Carbonate hardness | ETC 7.1.3-6/2014 (1÷4,6) |
| 1.25. Nitrogen (total) | ETC 7.1.3-19/2010 (3,4,6) |
| 1.26. Kjeldahl Nitrogen | БДС EN 25663 (3,6) |
| 1.27. Ammonium ions/ Ammonium (NH4+) | 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-NH4+) | 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)БДС EN ІSO 10304-1 (1÷6) |
| 1.30. Nitrite nitrogen (N-NO2-) | БДС EN ІSO 10304-1 (1÷6)ETC 7.1.3-16/2021, cl. 8.2.1 (1÷6) |
| 1.31. Nitrates | БДС EN ІSO 10304-1 (1÷6) |
| 1.32. Nitrate nitrogen (N-NO3-) | БДС EN ІSO 10304-1 (1÷6) |
| 1.33. Residual free chlorine | БДС EN ІSO 7393-2 (1,4,5) |
| 1.34. Total chlorine | БДС EN ІSO 7393-1 (6)ETC 7.1.3-20/2010 (6) |
| 1.35. Chlorides | БДС EN ІSO 10304-1 (1÷6) |
| 1.36. Sulphates | БДС EN ІSO 10304-1 (1÷6) |
| 1.37. Hydrogen sulphide | БДС 17.1.4.09, cl. 2 (2÷4,6) |
| 1.38. Sulphides (S2-) | 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 ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.41. Phosphates/Orthophosphates- expressed as phosphorus (PO43--P)- expressed as P2O5  | 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 ІSO 10304-1 (1÷6)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 ІSO 10304-1 (1÷6)ETC 7.1.3-21/2021, cl. 8.2.1 (1÷6)БДС EN ІSO 10304-1 (1÷6) |
| 1.42. Fluorides | БДС EN ІSO 10304-1 (1÷6) |
| 1.43. Iodides | БДС EN ISO 10304-3 (1÷4,6) |
| 1.44. Bromides | БДС EN ІSO 10304-1 (1÷4,6) |
| 1.45. Bromates | ETC 7.1.3-49/2021, cl. 8.2.2 (2)БДС EN ISO 15061 (1÷4) |
| 1.46. Boron/B | БДС EN ІSO 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 (ТОС) | ETC 7.1.3-27/2010 (1÷6)БДС EN 1484 (1÷6)  |
| 1.49. Dissolved Organic Carbon (DOC) | ETC 7.1.3-27/2010 (3,4,6)БДС EN 1484 (3,4,6) |
| 1.50. Free Carbon Dioxide | ETC 7.1.3-10/2014 (1÷4,6) |
| 1.51 Chlorates | БДС EN ISO 10304-4 (1,4) |
| 1.52 Chlorites | БДС EN ISO 10304-4 (1,4) |
| 1.53. Silicon/Si | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.54. Metasilicic acid | ETC 7.1.3-1/2021 (1÷4,6) |
| 1.55. Silicon dioxide (SiO2) | ETC 7.1.3-1/2021 (1,3,4,6) |
| 1.56. 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) |
| 1.57. Cyanides (easily liberatable) | ІSO 6703-2 (Section 2) (3,4,6) |
| 1.58. Cyanides (total) | БДС ІSO 6703-1 (Section 2) (1÷4,6) |
| 1.59. Anionic surfactants | ETC 7.1.3-45/2021 (3,6) |
| 1.60. Absorbable organic halogens (AOX) | ETC 7.1.3-26/2010 (3,4,6) |
| 1.61. Aluminium /Al | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.62. Antimony/Sb | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.63. Arsenic/As | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.64. Barium/Ba | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.65. Beryllium/Be | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.66. Bismuth/Bi | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.67. Vanadium/V | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.68. Tungsten/W | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.69. Gallium/Ga | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.70. Iron/Fe | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.71. Mercury/Hg | ETC 7.1-40/2016, cl. 8.1 and cl. 8.2, (1÷6)БДС EN ISO 17852 (1,3,4) |
| 1.72. Indium/In | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.73. Cadmium/Cd | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.74. Tin/Sn | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.75. Potassium/K | БДС ІSO 9964-3 (1÷4) |
| 1.76. Cobalt/Co | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.77. Lithium/Li | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.78. Manganese/Mn | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.79. Copper/Cu | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.80. Molybdenum/Mo | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.81. Sodium/Na | БДС ІSO 9964-3 (1÷4)БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.82. Nickel/Ni | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.83. Lead/Pb | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.84. Selenium/Se | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.85. Silver/Ag | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.86. Strontium/Sr | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.87. Sulfur/S | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.88. Titanium/Ti | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.89. Chromium/Cr | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.90. Chromium (hexavalent) | БДС 17.1.4.17 (2÷4,6)ІSO 11083, cl. 7.1) (1÷4,6)БДС EN ISO 18412 (3) |
| 1.91. Chromium (trivalent) | БДС 17.1.4.17 (2÷4,6) |
| 1.92. Zinc/Zn | БДС EN ІSO 11885 cl. 9.5.1 and cl. 9.5.3 (1÷6) |
| 1.93. Zirconium/Zr | БДС EN ІSO 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 ІSO 6439 (Method А, Method В) (1,3,6)ETC 7.3-10/2021 (1,3,6) |
| 1.96. Petroleum products /non-polar hydrocarbons С10-С40/  | БДС EN ІSO 9377-2 (3,4,6) |
| 1.97. Total extractable hydrocarbons С10-С40 | 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) (1÷4,6)БДС EN ISO 20595 (1÷4,6)БДС EN 14207 (1) |
| 1.99. Polycyclic aromatic hydrocarbons (PAH) | ISO 28540 (1÷4,6) |
| 1.100. Polychlorinated biphenyls\*\* | ETC 7.3-28/2021 (1÷4,6) |
| 1.101. Pesticides\*\* | ETC 7.3-28/2021 (1÷4,6) |
| 1.102. Carbamates\*\* | ETC 7.3-28/2021 (1÷4,6) |
| 1.103. Nonylphenols, Octylphenols\*\* | ASTM D 7485 (1÷4) |
| 1.104. Per- and polyfluoroalkyl substances (PFAS)\*\* | ISO 21675 (1÷4,6)БДС EN 17892 (1) |
| 1.105. Haloacetic acids\*\* | ETC 7.3-27/2023 (1÷5) |
| 1.106. Fats (vegetable oils and animal fats) | ETC 7.3-31/2012 (3,4,6) |
| 1.107. Microcystin - LR | ISO 22104 (1,3,4) |
| 1.108. 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) |
| 1.109. Radium 226 | БДС 12575 (2÷4) |
| 1.110. Total beta activity | БДС 12577 (1÷4) |
| 2. | Soils (1), sludge and sediments (2) | 2.1. рН | БДС EN ІSO 10390 (1,2) |
| 2.2. Electrical conductivity | СД CEN/TS 15937 (1,2) |
| 2.3. Total water-soluble salts content | БДС 11301 (1) |
| 2.4. Dry matter/Dry residue | БДС EN 15934 (Method А) (1,2)ІSO 11465+Cor.1 (1)БДС EN 12880 (2)  |
| 2.5. Moisture | ІSO 11465+Cor.1 (1)БДС 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 ІSO 11261 (1)БДС EN 13342 (2)БДС EN 16169 (1,2)БДС ISO 13878 (1) |
| 2.8. Aluminium /Al | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.9. Antimony/Sb | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.10. Arsenic/As | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.11. Barium/Ba | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.12. Beryllium/Be | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.13. Bismuth/Bi | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.14. Boron/B | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.15. Vanadium /V | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.16. Tungsten /W | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.17. Total Carbon (TC) | ETC 7.3-2/2016 (1,2) БДС EN 15936 (Method В) (1,2)ISO 10694 (1) |
| 2.18. Total organic carbon (ТОС)  | ETC 7.3-2/2016 (1,2)БДС EN 15936 (Method В) (1,2)ISO 10694 (1) |
| 2.19. Total inorganic carbon (TIC) | ETC 7.3-2/2016 (1,2)  |
| 2.20. Gallium /Ga | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.21. Iron/Fe | БДС EN ISO 22036 (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 (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 ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) |
| 2.26. Tin/Sn | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.27. Potassium /K- exchangeable forms of Potassium/K (expressed as K2O) | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2)ETC 7.1.3-13/2010 (1)ETC 7.1-28/2017 (1) БДС EN ISO 11260 (1,2) |
| 2.28. Calcium/Ca- exchangeable forms of Calcium/Ca | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)БДС EN ISO 11260 (1,2) |
| 2.29. Cobalt/Co | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) |
| 2.30. Lanthanum /La | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.31. Lithium /Li | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.32. Magnesium /Mg- exchangeable forms of Magnesium /Mg | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1)БДС EN ISO 11260 (1,2) |
| 2.33. Manganese /Mn | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.34. Copper/Cu | БДС EN ISO 22036 (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 ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) |
| 2.36. Sodium/Na | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) |
| 2.37. Nickel/Ni | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.38. Lead/Pb | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.39. Selenium/Se | БДС EN ISO 22036 (1,2) ETC 7.1-28/2017 (1) |
| 2.40. Silicon/Si | ETC 7.1-18/2017 (2)  |
| 2.41. Silver/Ag | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.42. Strontium /Sr | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2)ETC 7.1-28/2017 (1) |
| 2.43. Sulphur (total) | БДС ІSO 15178 (1)ETC 7.3-7/2018 (2) |
| 2.44. Thallium /Tl | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.45. Tellurium /Te | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2) |
| 2.46. Titanium /Ti | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) |
| 2.47. Phosphorus /P- exchangeable forms of Phosphorus/P (expressed as P2O5) | БДС EN ISO 22036 (1,2) ETC 7.1-29/2019 (1,2)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 ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) |
| 2.49. Zinc/Zn | БДС EN ISO 22036 (1,2)ETC 7.1-29/2019 (1,2) ETC 7.1-28/2017 (1) |
| 2.50. Zirconium/Zr | БДС EN ISO 22036 (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-NH4+) | ETC 7.1.3-18/2010 (1) ISO/TS 14256-1 (1,2) |
| 2.56. Nitrites | ETC 7.1.3-35/2010 (1,2) |
| 2.57. Nitrite Nitrogen (N-NO2-) | ETC 7.1.3-35/2010 (1) |
| 2.58. Nitrates | ETC 7.1.3-35/2010 (1,2) |
| 2.59. Nitrate Nitrogen (N-NO3-) | 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. Sulphates/- recalculated as S | ETC 7.1.3-35/2010 (1)  |
| ETC 7.1.3-35/2010 (2) |
| 2.62. Cyanides (total) | ІSO 11262, cl. 9 (1) |
| 2.63. Petroleum products /non-polar hydrocarbons С10-С40/ | БДС EN ІSO 16703 (1,2) ETC 7.3-26/2010 (2) |
| 2.64. Volatile Organic Compounds (VOC)\*\* | БДС EN ISO 22155 (1,2) |
| 2.65. Polycyclic aromatic hydrocarbons (РАН) | ІSO 18287 (Method В) (1,2)БДС EN 17503 (1,2) |
| 2.66. Polychlorinated biphenyls\*\* | БДС EN 17322 (1,2) ETC 7.3-6/2023 (1,2) |
| 2.67. Pesticides\*\* | ETC 7.3-6/2023 (1,2) |
| 2.68. Fats (vegetable oils and animal fats) | ETC 7.3-31/2012 (1) |
| 2.69. Calorific value | БДС EN 15170 (2) |
| 3. | Construction soils /soil mechanics/ | 3.1. Water content | БДС EN ІSO 17892-1AASHTO T 265  |
| 3.2. Specific particle density | БДС EN ІSO 17892-3 |
| 3.3. Bulk density:3.3.1. in natural condition3.3.2. skeleton3.3.3. Pore volume3.3.4. Voids ratio3.3.5. Sand cone method | БДС EN ІSO 17892-2AASHTO T 191 |
| 3.4. Liquid and plastic limits:- liquid limit by the fall cone method, Wl- Plastic limit, Wp- Plastic index, Іp- liquidity index, Іl- consistency index, Іc | БДС EN ІSO 17892-12 |
| 3.5. Consistency index by Atterberg’s Method- liquid limit, Wl- plastic limit, W- plastic index, Іp | AASHTO T 89 AASHTO T 90 |
| 3.6. Water saturation degree Sr | БДС EN ISO 17892-10 cl. 7.5 |
| 3.7. Particle size distribution | БДС EN ISO 17892-4AASHTO T 88  |
| 3.8. Compression properties:- specific subsidence/ vertical deformation- compression module- modulus of elasticity- compacting factor- void ratio- relative swelling, Sн - swelling stress, σн- coefficient of consolidation, Cv | БДС EN ISO 17892-5 |
| 3.9. Plate load test- modulus of deformation - modulus of elasticity- modulus ratio E2/E1 | БДС 15130 |
| 3.10. Laboratory determination of settlement /macro-pore volume/ | БДС 14783  |
| 3.11. Direct shear test in a single-platform apparatus:- angle of internal friction- cohesion- angle of internal friction (residual)- cohesion (residual) | БДС EN ISO 17892-10 |
| 3.12. Proctor test:- optimal water content- maximum bulk density | БДС 17146 БДС EN 13286-2 |
| 3.13. Unconfined compression- unconfined compressive strength qu- undrained shear strength cu- axial deformation at failure ε | БДС EN ІSO 17892-7 |
| 3.14. Unconsolidated undrained triaxial test (UU test):- deviator stress (σ1-σ3)- undrained cohesion сu’- axial deformation at failure ε- cohesion сu- angle of internal friction φu | БДС EN ISO 17892-8 |
| 3.15. Consolidated undrained triaxial test (CU test):- deviator stress (σ1-σ3)- pore pressure u- axial deformation at failure ε1- cohesion с’- angle of internal friction φ’ | БДС EN ISO 17892-9 |
| 3.16. Consolidated drained triaxial test (CD test): - deviator stress (σ1-σ3)- axial deformation at failure ε1- volume deformation at failure εvol- cohesion с’- angle of internal friction φ’ | БДС EN ISO 17892-9 |
| 3.17. Water permeability coefficient | БДС 8497  |
| 3.18. Californian bearing ratio(CBR)- penetration 2.5 mm- penetration 5.0 mm | БДС EN 13286-47  |
| 3.19. Total water content of soluble salts | БДС 11301  |
| 3.20. Organic substances | БДС 11302  |
| 3.21. AggressivenessDetermination in aqueous extract of:3.21.1. рН | БДС EN ІSO 10390 |
| 3.21.2. Magnesium salts | ETC 7.1.3-31/2010 |
| 3.21.3. Sulphates | ETC 7.1.3-35/2010 |
| 3.21.4. 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 (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 (1)ETC 7.1-18/2017 (1,2)ETC 7.1-3/2022 (1,2) |
| 4.3. Particle size distribution | БДС EN 933-1 (1)БДС ISO 2591-1 (1,2) |
| 4.4. Fine fraction content | БДС EN 933-1 (1) |
| 4.5. Sand size module/fineness of the sand | БДС EN 12620+A1 Annex В (1) |
| 4.6. Flat grains index (Flakiness) | БДС EN 933-3 (1) |
| 4.7. Shape factor | БДС EN 933-4 (1) |
| 4.8. Percentage content of:- totally crushed grains- crushed grains- fully rounded grains | БДС EN 933-5 (1) |
| 4.9. Shell content in coarse aggregates | БДС EN 933-7 (1) |
| 4.10. Sand equivalent | БДС EN 933-8+А1 (1) |
| 4.11. Methylene blue | БДС EN 933-9 (1) |
| 4.12. Grain length | БДС EN 13450+AC, cl. 6.7 (1) |
| 4.13. Resistance to freezing (weight loss) | БДС EN 1367-1 (1)БДС EN 13055 (1)БДС EN 12371 (2) |
| 4.14. Resistance in a magnesium sulphate solution | БДС EN 1367-2 (1) |
| 4.15. Loose Bulk density | БДС EN 1097-3 (1) |
| 4.16. Voids percentage | БДС EN 1097-3 (1) |
| 4.17. Specific (bulk) density of fine filler in kerosene | БДС EN 1097-3 Annex А cl. А1 to cl. А6) (1) |
| 4.18. Particles bulk density of fine filler. Pycnometer method | БДС EN 1097-7 (1) |
| 4.19. Particle density: - specific ρа, - at dry condition ρrd, - saturated and surface dry grain sρssd | БДС EN 1097-6 cl. 7, cl. 8, cl. 9 (1) |
| 4.20. Bulk density | БДС EN ISO 17892-2 (2) |
| 4.21. Specific density | БДС EN ISO 17892-3 (2) |
| 4.22. Pore volume | БДС EN ISO 17892-2 (2) |
| 4.23. Voids radio | БДС EN ISO 17892-2 (2) |
| 4.24. Water absorbing capacity till constant mass | БДС 12159 (2) |
| 4.25. Water absorption | БДС EN 1097-6 cl. 7, cl. 8, cl. 9) (1) |
| 4.26. Water absorption in atmospheric pressure | БДС EN 13755 (2) |
| 4.27. Resistance to wear (micro- Deval) | БДС EN 1097-1 (Annex А) (1) |
| 4.28. Resistance to fragmentation | БДС EN 1097-2, cl. 5,Annex А, cl. А.1.2 (1) |
| 4.29. Uniaxial compressive strength:4.29.1. in dry condition4.29.2. in water saturated condition 4.29.3. after freeze / thaw cycles | БДС EN 1926 (2)ASTM D 7012 (Method C) (2) |
| 4.30. Triaxial compressive strength:- cohesion с- angle of internal friction φ | ASTM D 7012 (Method A) (2) |
| 4.31. Static elastic module | БДС EN 14580 (2) |
| 4.32. Elastic modulus at uniaxial compression Е | ASTM D 7012 (Method D) (2) |
| 4.33 Elastic module at triaxial compression Е | ASTM D 7012 (Method B) (2) |
| 4.34. Poisson's ratio ν | ASTM D 7012 (Method D) (2) |
| 4.35. Monoplane shear with pressure in inclined matrices- angle of internal friction φ- cohesion с | ETC 7.2.1-30/2010 (2) |
| 4.36. Direct Shear strength at constant normal load:- angle of internal friction φ- cohesion с | ASTM D 5607 (2) |
| 4.37. Splitting Tensile Strength diametral line compression method /Brazilian method/- in dry condition- in water saturated condition | ASTM D 3967 (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 (1,2) |
| 4.40. Proctor compaction test:- optimal water content- maximum skeletal density | БДС EN 13286-2 (1,2) |
| 4.41. Aluminium/Al- expressed as Al2O3 | 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 (ТС) | ETC 7.3-2/2016 (2) |
| 4.51. Total organic carbon (ТОС) | ETC 7.3-2/2016 (2) |
| 4.52. Total inorganic carbon (ТIС) | 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- expressed as Fe2O3 | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2) 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- expressed as K2O | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2)ETC 7.1-18/2017 (1,2) |
| 4.61. Calcium/Ca- expressed as CaO | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2) 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- expressed as MgO | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2) ETC 7.1-18/2017 (1,2) |
| 4.66. Manganese/Mn- expressed as MnO | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2) 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- expressed as Na2O | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2) 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) |
| 4.74. Silicon/Si- expressed as SiO2 | 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 (total) | ETC 7.3-7/2018 (2) БДС EN 1744-1+A1, cl. 11 (1,2) |
| 4.78. Sulphur (sulphide) | ETC 7.1-25/2017 (1,2) |
| 4.79. Sulphur (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 TiO2 | ETC 7.1-29/2019 (1,2) EPA 6010D (1,2)ETC 7.1-18/2017 (1,2) |
| 4.83. Phosphorus/P- expressed as P2O5 | 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. X-ray fluorescence analysis of elements/oxides4.87.1. Silicon (Si)/ Silicon dioxide (SiO2)4.87.2. Aluminum (Al)/ Aluminium oxide (Al2O3)4.87.3. Magnesium (Mg)/ Magnesium Oxide (MgO)4.87.4. Sodium (Na)/Sodium oxide (Na2O)4.87.5. Titanium (Ti)/ Titanium Dioxide (TiO2)4.87.6. Iron (Fe)/ Ferric oxide (Fe2O3)4.87.7. Potassium (K)/ Potassium oxide (K2O)4.87.8. Calcium (Ca)/ Calcium Oxide (CaO)4.87.9. Manganese (Mn)/ Manganese oxide (MnO)4.87.10. Phosphorus (P)/ Phosphorus pentoxide (P2O5)4.87.11. Barium (Ba)/ Barium Oxide (BaO)4.87.12. Chromium (Cr)/ Chromium Oxide (Cr2O3)4.87.13. Sulfur (S)/ Sulfur trioxide (SO3)4.87.14. Strontium (Sr) / Strontium oxide (SrO)4.87.15. Vanadium (V)/ Vanadium pentoxide (V2O5) | ETC 7.1-3/2022 (1,2) |
| 4.88. Alkaline reactive ability | БДС 14851, cl. 8 (1) |
| 4.89. Substances content insoluble in hydrochloric acid | БДС 5668 (2) |
| 4.90. Water-soluble chlorides | БДС EN 1744-1+A1, cl. 9 (1) |
| 4.91. Water-soluble sulphates- expressed as SO3 / expressed as SO4- expressed as SO4 | БДС EN 1744-1+A1, cl. 10.1 (1)БДС EN 1744-1+A1, cl. 10.2 (1) |
| 4.92. Acid soluble sulphates- expressed as SO3 / expressed as SO4 | БДС EN 1744-1+A1, cl. 12 (1) |
| 4.93. Low weight contamination | БДС EN 1744-1+A1, cl. 14.2 (1) |
| 4.94. Organic components /humus/ | БДС EN 1744-1+A1, cl. 15.1 (1) |
| 4.95. Water solubility | БДС EN 1744-1+A1, cl. 16 (1) |
| 5. | Ores and products from processing thereof | 5.1. Moisture | БДС ІSO 10251БДС 14831БДС ІSO 9599ETC 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 15443БДС ISO 2591-1 |
| 5.4. Chemical elements from Na to U | БДС 17389ISO 22309 |
| 5.5. Aluminium/Al | EPA 6010DETC 7.1-29/2019  |
| - expressed as Al2O3 |
| 5.6. Antimony/Sb | EPA 6010DETC 7.1-29/2019  |
| 5.7. Arsenic/As | EPA 6010DETC 7.1-29/2019  |
| 5.8. Barium/Ba | EPA 6010DETC 7.1-29/2019  |
| 5.9. Beryllium/Be | EPA 6010DETC 7.1-29/2019  |
| 5.10. Bismuth/Bi | EPA 6010DETC 7.1-29/2019  |
| 5.11. Boron/B | EPA 6010DETC 7.1-29/2019 |
| 5.12. Vanadium/V | EPA 6010DETC 7.1-29/2019  |
| 5.13. Tungsten/W | EPA 6010DETC 7.1-29/2019  |
| 5.14. Carbon | ETC 7.3-22/2010 |
| 5.15. Gallium/Ga | EPA 6010DETC 7.1-29/2019  |
| 5.16. Iron/Fe- expressed as Fe2O3 | EPA 6010DETC 7.1-29/2019  |
| 5.17. Mercury/Hg | ETC 7.1-16/2014 |
| 5.18. Gold/Au | ETC 7.1-4/2017, cl. 8.2.2 ETC 7.1-4/2017, cl. 8.2.1 БДС ІSO 10378AS 3895.1ETC 7.1-42/2016, cl. 8.2.5ETC 7.1-42/2016, cl. 8.2.4.1ETC 7.1-42/2016, cl. 8.2.4.2 |
| 5.19. Yttrium/Y | EPA 6010DETC 7.1-29/2019  |
| 5.20. Cadmium/Cd | EPA 6010DETC 7.1-29/2019  |
| 5.21. Tin/Sn | EPA 6010DETC 7.1-29/2019  |
| 5.22. Potassium/K- expressed as K2O | EPA 6010DETC 7.1-29/2019  |
| 5.23. Calcium/Ca- expressed as CaO | EPA 6010DETC 7.1-29/2019  |
| 5.24. Cobalt/Co | EPA 6010DETC 7.1-29/2019  |
| 5.25. Lanthanum/La | EPA 6010DETC 7.1-29/2019  |
| 5.26. Lithium/Li | EPA 6010DETC 7.1-29/2019  |
| 5.27. Magnesium/Mg- expressed as MgO | EPA 6010DETC 7.1-29/2019  |
| 5.28. Manganese/Mn- expressed as MnO | EPA 6010DETC 7.1-29/2019  |
| 5.29. Copper/Cu | EPA 6010DETC 7.1-29/2019 ETC 7.1-10/2017ETC 7.1-41/2016БДС ISO 10258, cl. 7.4 |
| 5.30. Molybdenum/Mo | EPA 6010DETC 7.1-29/2019  |
| 5.31. Sodium/Na- expressed as Na2O | EPA 6010DETC 7.1-29/2019  |
| 5.32. Nickel/Ni | EPA 6010DETC 7.1-29/2019  |
| 5.33. Lead/Pb | EPA 6010DETC 7.1-29/2019 БДС ISO 13545 |
| 5.34. Palladium/Pd | ETC 7.1-42/2016, cl. 8.2.5 |
| 5.35. Platinum/Pt | ETC 7.1-42/2016, cl. 8.2.5 |
| 5.36. Silicon/Si | ETC 7.1-18/2017  |
| - expressed as SiO2 |
| 5.37. Silver/Ag | EPA 6010DETC 7.1-29/2019 ETC 7.1-13/2016БДС ІSO 10378  |
| 5.38. Strontium/Sr | EPA 6010DETC 7.1-29/2019  |
| 5.39. Sulphur/S | ETC 7.3-15/2010 |
| 5.40. Thallium/Tl | EPA 6010DETC 7.1-29/2019  |
| 5.41. Tellurium/Te | EPA 6010DETC 7.1-29/2019  |
| 5.42. Titanium/Ti- expressed as TiO2 | EPA 6010DETC 7.1-29/2019   |
| 5.43. Phosphorus/P- expressed as P2O5 | EPA 6010DETC 7.1-29/2019  |
| 5.44. Chromium/Cr | EPA 6010DETC 7.1-29/2019  |
| 5.45. Zinc/Zn | EPA 6010DETC 7.1-29/2019 БДС 6443 |
| 5.46. Zirconium/Zr | EPA 6010DETC 7.1-29/2019  |
| 5.47. X-ray fluorescence analysis of elements/oxides5.47.1. Silicon (Si)/ Silicon dioxide (SiO2)5.47.2. Aluminum (Al)/ Aluminium oxide (Al2O3)5.47.3. Magnesium (Mg)/ Magnesium Oxide (MgO)5.47.4. Sodium (Na)/Sodium oxide (Na2O)5.47.5. Titanium (Ti)/ Titanium Dioxide (TiO2)5.47.6. Iron (Fe)/ Ferric oxide (Fe2O3)5.47.7. Potassium (K)/ Potassium oxide (K2O)5.47.8. Calcium (Ca)/ Calcium Oxide (CaO)5.47.9. Manganese (Mn)/ Manganese oxide (MnO)5.47.10. Phosphorus (P)/ Phosphorus pentoxide (P2O5)5.47.11. Sulphur (S)/ Sulfur trioxide (SO3)5.47.12. Copper/Cu5.47.13. Molybdenum/Mo5.47.14. Barium (Ba)/ Barium Oxide (BaO)5.47.15. Chromium (Cr)/ Chromium Oxide (Cr2O3)5.47.16. Strontium (Sr) / Strontium oxide (SrO)5.47.17. Vanadium (V)/ Vanadium pentoxide (V2O5) | ETC 7.1-3/2022 |
| 6. | Cement | 6.1. Chromium (hexavalent) | БДС EN 196-10, cl. 8.2 |
| 7. | Concretes | 7.1. Density | БДС EN 12390-7БДС 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 |
| 7.4. Depth of penetration of water under pressure (watertightness) | БДС EN 206+A2/NA (Annex NA.N)БДС EN 12390-8 |
| 8. | Petroleum products /gas oil (1), diesel (2) and heavy fuel oil (3)/  | 8.1. Density | БДС EN ІSO 3675 (1÷3) |
| 8.2. Flash point /Pensky-Martens closed cup method / | БДС EN ISO 2719+ А1 (1,2) |
| 8.3. Ash | БДС EN ІSO 6245 (1÷3)  |
| 8.4. Water | БДС ІSO 3733 (1,3) БДС EN ІSO 12937 (2) |
| 8.5. Total impurities | БДС EN 12662-1 (1,2) |
| 8.6. Corrosiveness to copper – Copper strip test | БДС EN ІSO 2160 (2) |
| 8.7. Kinematic viscosity  | БДС EN ІSO 3104, cl. 11 (1÷3) |
| 8.8. Distillation characteristics | БДС EN ІSO 3405, cl. 9 (1,2) |
| 8.9. Cetane Index | БДС EN ІSO 4264 (2) |
| 8.10. Cold filter plugging point | БДС EN 116 (2) |
| 8.11. Flash point and fire point – Cleveland open cup method | БДС EN ІSO 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 (1÷3) |
| 8.15. Pour point | БДС EN ІSO 3016 (1÷3) |
| 8.16. Water-soluble acids and bases | БДС 5252 (3) |
| 8.17. Sulphur/S | БДС EN ISO 13032 (2)БДС EN ISO 8754 (1,3) |
| 8.18. Calorific value | БДС 17413 (1,3) |
| 9. | Biodiesel | 9.1. Esters (total) | БДС EN 14103 |
| 9.2. Methyl ester of linoleic acid |
| 9.3. Kinematic viscosity | БДС EN ІSO 3104, cl. 11 |
| 9.4. Flash point /Pensky-Martens closed cup method / | БДС EN ISO 2719+А1 |
| 9.5. Cold filter plugging point | БДС EN 116 |
| 9.6. Water | БДС EN ІSO 12937 |
| 9.7. Acid value | БДС EN 14104 |
| 9.8. Iodine value | БДС EN 14111 |
| 9.9. Methanol | БДС EN 14110 |
| 9.10. Monoglycerides | БДС EN 14105 |
| 9.11. Diglycerides |
| 9.12. Triglycerides  |
| 9.13. Free glycerol |
| 9.14. Total glycerol |
| 9.15. Total impurities | БДС EN 12662-2  |
| 9.16. Density | БДС EN ІSO 3675 |
| 9.17. Corrosiveness to copper – Copper strip test | БДС EN ІSO 2160 |
| 10. | Oils | 10.1. Density | БДС EN ІSO 3675 |
| 10.2. Kinematic viscosity | БДС EN ІSO 3104, cl. 11 |
| 10.3 Viscosity index | БДС ІSO 2909 |
| 10.4. Flash point /Pensky-Martens closed cup method / | БДС EN ISO 2719+А1 |
| 10.5. Flash and fire points - Cleveland open cup method | БДС EN ІSO 2592 |
| 10.6. Mechanical impurities | БДС 17411 |
| 10.7. Water | БДС ІSO 3733 БДС EN ІSO 12937 |
| 10.8. Ash | БДС EN ІSO 6245 |
| 10.9. Acid value | БДС ІSO 6618 БДС 1752 |
| 10.10. Sulphur/S | БДС EN ISO 8754  |
| 10.11. Water-soluble acids and bases | БДС 5252 |
| 10.12. Corrosiveness to copper – Copper strip test | БДС EN ІSO 2160 |
| 10.13. Pour point  | БДС EN ІSO 3016 |
| 10.14. Cloud point | БДС EN ISO 3015  |
| 10.15. Freezing point | БДС 1751 |
| 11. | Natural gas (1), liquefied hydrocarbons (2) | 11.1. Component composition | БДС EN 27941 (2) CT CMEA 2103 (1) БДС EN ІSO 6974-6 (1) |
| 11.2. Hydrogen sulphide | БДС 7926 (2)БДС EN ІSO 8819 (2)БДС 16027 (1) |
| 11.3. Mercaptan sulphur | БДС 16027 (1) |
| 11.4. Density | БДС EN ІSO 6976 (1)БДС EN ISO 8973+A1 (2) |
| 11.5. Relative density |
| 11.6. Calorific value | БДС EN ІSO 6976 (1) |
| 11.7. Saturated vapour pressure | БДС EN 589 (2)БДС EN ISO 8973+A1 (2) |
| 11.8. Motor octane number | БДС EN 589 (2) |
| 11.9. Wobbe index | БДС EN ISO 6976 (1) |
| 12.  | Solid fuels12.1. Coal: anthracite (1) black (2), brown and lignite (3), briquettes (4), coke (5) | 12.1.1. Particle size distribution | БДС ІSO 1953 (1,2) |
| 12.1.2. Moisture (total) | БДС ІSO 589 (1,2)БДС ІSO 579 (5)БДС ІSO 5068-1 (3,4) |
| 12.1.3. Moisture (analytical) | БДС ISO 11722 (1,2)БДС ІSO 5068-2 (3,4)БДС ІSO 687 (5) |
| 12.1.4. Ash | БДС ІSO 1171 (1÷5) |
| 12.1.5. Volatile matter | БДС ІSO 562 (1,2,5)БДС ІSO 5071-1 (3,4) |
| 12.1.6. Calorific value | БДС ІSO 1928 (1÷5) |
| 12.1.7. Carbon | БДС ISO 29541 (1÷5) |
| 12.1.8. Sulphur/S | БДС ІSO 334 (1÷5)БДС ІSO 19579 (1÷5)ASTM D 4239 (1÷5) |
| 12.1.9. Chlorine/Cl | БДС ІSO 587, cl. 8.2.2 (1÷5) |
| 12.1.10. Nitrogen/N | БДС ISO 29541 (1÷5) |
| 12.1.11. Hydrogen/H | БДС ISO 29541 (1÷5) |
| 12.2. Solid recoveredfuels | 12.2.1. Particle size distribution | БДС EN 15415-1 |
| 12.2.2. Moisture (total) | CEN/TS 15414-2 |
| 12.2.3. Moisture (analytical) | БДС EN ISO 21660-3 |
| 12.2.4. Ash | БДС EN ISO 21656 |
| 12.2.5. Volatile matter | БДС EN ISO 22167 |
| 12.2.6. Calorific value / Heat of combustion | БДС EN ISO 21654 |
| 12.2.7. Aluminium/Al | БДС EN 15410, cl. 6.4 |
| 12.2.8. Antimony/Sb | БДС EN 15411, cl. 6.4 |
| 12.2.9. Arsenic/As | БДС EN 15411, cl. 6.4 |
| 12.2.10. Barium/Ba | БДС EN 15411, cl. 6.4 |
| 12.2.11. Beryllium/Be | БДС EN 15411, cl. 6.4 |
| 12.2.12. Bromine/Br | БДС EN 15408 |
| 12.2.13. Vanadium/V | БДС EN 15411, cl. 6.4 |
| 12.2.14. Carbon/C | БДС EN ISO 21663 |
| 12.2.15. Iron/Fe | БДС EN 15410, cl. 6.4 |
| 12.2.16. Mercury/Hg | БДС EN 15411, cl. 6.5 |
| 12.2.17. Cadmium/Cd | БДС EN 15411, cl. 6.4 |
| 12.2.18. Potassium/K | БДС EN 15410, cl. 6.4 |
| 12.2.19. Calcium/Ca | БДС EN 15410, cl. 6.4 |
| 12.2.20. Cobalt/Co | БДС EN 15411, cl. 6.4 |
| 12.2.21. Magnesium/Mg | БДС EN 15410, cl. 6.4 |
| 12.2.22. Manganese/Mn | БДС EN 15411, cl. 6.4 |
| 12.2.23. Copper/Cu | БДС EN 15411, cl. 6.4 |
| 12.2.24. Molybdenum/Mo  | БДС EN 15411, cl. 6.4 |
| 12.2.25. Sodium/Na | БДС EN 15410, cl. 6.4 |
| 12.2.26. Nickel/Ni | БДС EN 15411, cl. 6.4 |
| 12.2.27. Lead/Pb | БДС EN 15411, cl. 6.4 |
| 12.2.28. Selenium/Se | БДС EN 15411, cl. 6.4 |
| 12.2.29. Silicon/Si | БДС EN 15410, cl. 6.4 |
| 12.2.30. Sulphur/S | БДС EN 15408 |
| 12.2.31. Thallium/Tl | БДС EN 15411, cl. 6.4 |
| 12.2.32. Titanium/Ti | БДС EN 15410, cl. 6.4 |
| 12.2.33. Phosphorus/P | БДС EN 15410, cl. 6.4 |
| 12.2.34. Fluorine/F | БДС EN 15408  |
| 12.2.35. Chlorine/Cl | БДС EN 15408 |
| 12.2.36. Chromium/Cr | БДС EN 15411, cl. 6.4 |
| 12.2.37. Zinc/Zn | БДС EN 15411, cl. 6.4 |
| 12.2.38. Polychlorinated biphenyls\*\* | БДС EN 17322 |
| 12.2.39. Nitrogen/N | БДС EN ISO 21663 |
| 12.3 Biofuels: biomass (1), pellets (2), briquettes (3).Charcoal (4) | 12.3.1. Particle size distribution | БДС EN ISO 5370 (2)БДС EN ISO 17827-2 (1) |
| 12.3.2. Length | БДС EN ISO 17829 (2) |
| 12.3.3. Diameter | БДС EN ISO 17829 (2) |
| 12.3.4. Bulk density | БДС EN ISO 17828 (2) |
| 12.3.5. Moisture (total) | БДС EN ISO 18134-2 (1÷4) БДС ISO 579 (4) |
| 12.3.6. Moisture (analytical) | БДС EN ISO 18134-3 (1÷4)БДС ІSO 687 (4) |
| 12.3.7. Ash | БДС EN ISO 18122 (1÷4)БДС ІSO 1171 (4) |
| 12.3.8. Volatile substances | БДС ІSO 562 (4)БДС EN ISO 18123 (1÷4) |
| 12.3.9. Fixed carbon | БДС EN 1860-2 (4) |
| 12.3.10. Calorific value / Heat of combustion | БДС ІSO 1928 (4)БДС EN ISO 18125 (1÷4) |
| 12.3.11. Antimony/Sb | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.12. Arsenic/As | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.13. Barium/Ba | ETC 7.1-37/2014 (1÷3) |
| 12.3.14. Beryllium/Be | ETC 7.1-37/2014 (1÷3) |
| 12.3.15. Vanadium/V | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.16. Carbon/C | БДС EN ISO 16948 (1÷4) |
| 12.3.17. Iron/Fe | ETC 7.1-37/2014 (1÷3) |
| 12.3.18. Mercury/Hg | БДС EN ISO 16968 (1÷3) |
| 12.3.19. Cadmium/Cd | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.20. Potassium/K | ETC 7.1-37/2014 (1÷3) |
| 12.3.21. Calcium/Ca | ETC 7.1-37/2014 (1÷3) |
| 12.3.22. Cobalt/Co | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.23. Magnesium/Mg | ETC 7.1-37/2014 (1÷3) |
| 12.3.24. Manganese/Mn | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.25. Copper/Cu | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.26. Molybdenum/Mo | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.27. Sodium/Na | ETC 7.1-37/2014 (1÷3) |
| 12.3.28. Nickel/Ni | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.29. Lead/Pb | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.30. Sulphur/S | ETC 7.3-4/2014 (1÷4)БДС EN ISO 16994 cl. 8.1.1 and cl. 8.2.1 (1÷3) |
| 12.3.31. Thallium/Tl | ETC 7.1-37/2014 (1÷3) |
| 12.3.32. Titanium/Ti | ETC 7.1-37/2014 (1÷3) |
| 12.3.33. Phosphorus/P | ETC 7.1-37/2014 (1÷3) |
| 12.3.34. Chlorine/Cl | БДС EN ISO 16994 cl. 8.1.1 and cl. 8.2.1 (1÷3) |
| 12.3.35. Chromium/Cr | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.36. Zinc/Zn | ETC 7.1-37/2014 (1÷3)БДС EN ISO 16968 (1÷3) |
| 12.3.37. Nitrogen/N | БДС EN ISO 16948 (1÷3) |
| 12.3.38. Hydrogen/H | БДС EN ISO 16948 (1÷3) |
| 13. | Metals, alloys,articles,jewelry alloys | 13.1. Chemical elements from Na to U  | ETC 7.2.1-28/2010ISO 22309 |
| 13.2. Carbon | ETC 7.3-22/2010  |
| 14. | Wastes | 14.1. рН | БДС EN ІSO 10523БДС EN ІSO 10390 |
| 14.2. Electrical conductivity | БДС EN 27888, cl. 7.2CEN/TS 15937 |
| 14.3. Dry matter/Dry residue | БДС EN 15934 (Method А)БДС EN 12880 |
| 14.4. Dissolved solids (TDS)/ Total dissolved solids (TDS) | БДС 17.1.4.04БДС EN 15216 |
| 14.5. Moisture - (total) | БДС EN 12880CEN/TS 15414-2БДС EN ISO 21660-3 |
| - (analytical) |
| 14.6. Loss on ignition  | БДС EN 15935ETC 7.1-3/2022 |
| 14.7. Particle size distribution | БДС ISO 2591-1БДС EN 15428CEN/TS 16202 |
| 14.8. Alkalinity | ETC 7.1.3-6/2014  |
| 14.9. Nitrogen/N | БДС EN ISO 21663 |
| 14.10. Kjeldahl Nitrogen | БДС EN 16169 |
| 14.11. Ammonium (NH4+) | ETC 7.1.3-18/2010 |
| 14.12. Nitrogen ammonium (N-NH4+) | ETC 7.1.3-18/2010ISO/TS 14256-1 |
| 14.13. Nitrites  | БДС EN ІSO 10304-1  |
| 14.14. Nitrite nitrogen (N-NO2-) | БДС EN ІSO 10304-1 |
| 14.15. Nitrates  | БДС EN ІSO 10304-1 |
| 14.16. Nitrate nitrogen (N-NO3-) | БДС EN ІSO 10304-1ISO/TS 14256-1 |
| 14.17. Chlorine/Cl | БДС EN 15408 |
| 14.18. Chlorides | БДС EN ІSO 10304-1 |
| 14.19. Sulphates | БДС EN ІSO 10304-1 |
| 14.20. Phosphorus/P - expressed as P2O5 | БДС EN ІSO 11885, cl. 9.5.1БДС EN 15309БДС EN ISO 22036EPA 6010D |
| 14.21. Phosphates/Orthophosphates  | ETC 7.1.3-21/2021, cl. 8.2.1БДС EN ІSO 10304-1 |
| 14.22. Phosphates such as Phosphorus (PO43--P) | ETC 7.1.3-21/2021, cl. 8.2.1БДС EN ІSO 10304-1 |
| 14.23. Fluorine /F | БДС EN 15408 |
| 14.24. Fluorides | БДС EN ІSO 10304-1 |
| 14.25. Bromine/Br | БДС EN 15408  |
| 14.26. Bromides | БДС EN ІSO 10304-1 |
| 14.27. Cyanides (free) | ETC 7.1.3-41/2021 cl. 8.2.1 |
| 14.29. Cyanides (easily liberatable) | ІSO 6703-2 (Section 2) |
| 14.30. Cyanides (total) | БДС ІSO 6703-1 (Section 2)ІSO 11262, cl. 9 |
| 14.31. Absorbable organic halogens (AOX) | ETC 7.1.3-26/2010 |
| 14.32. Aluminium/Al | БДС EN ІSO 11885, cl. 9.5.1)БДС EN ISO 22036EPA 6010DБДС EN 15309 |
| 14.33. Antimony/Sb | БДС EN ІSO 11885, cl. 9.5.1)ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.34. Arsenic/As | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.35. Barium/Ba | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4) |
| 14.36. Beryllium/Be | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4) |
| 14.37. Bismuth/Bi | БДС EN ІSO 11885, cl. 9.5.1EPA 6010D |
| 14.38. Boron/B | БДС EN ІSO 11885, cl. 9.5.1БДС EN ISO 22036EPA 6010D |
| 14.39. Vanadium/V | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.40. Tungsten/W | БДС EN ІSO 11885, cl. 9.5.1EPA 6010D |
| 14.41. Carbon/C | БДС EN ISO 21663ETC 7.3-2/2016 БДС EN 15936 (Method В)ETC 7.1.3-27/2010 БДС EN 1484ETC 7.3-2/2016БДС EN 15936 (Method В)ETC 7.1.3-27/2010БДС EN 1484ETC 7.3-2/2016 |
| - Total carbon (TC) |
| - Total organic carbon (ТОС)  |
| - Dissolved organic Carbon (DOC) |
| - Total inorganic carbon (TIC) |
| 14.42. Gallium/Ga | БДС EN ІSO 11885, cl. 9.5.1БДС EN ISO 22036EPA 6010D |
| 14.43. Iron/Fe | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15309 |
| 14.44. Mercury/Hg | ETC 7.1-40/2016 БДС EN ISO 17852БДС EN 16175-2ETC 7.1-16/2014БДС EN 15411, cl. 6.5 |
| 14.45. Gold | ETC 7.1-42/2016, cl. 8.2.5ETC 7.1-42/2016, cl. 8.2.4.1ETC 7.1-42/2016, cl. 8.2.4.2ETC 7.1-4/2017, cl. 8.2.2ETC 7.1-4/2017, cl. 8.2.1 |
| 14.46. Yttrium /Y | EPA 6010D |
| 14.47. Cadmium/Cd | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4) |
| 14.48. Tin/Sn | БДС EN ІSO 11885, cl. 9.5.1БДС EN ISO 22036EPA 6010D |
| 14.49. Potassium/K - expressed as K2O | БДС EN ІSO 11885, cl. 9.5.1БДС EN 15309ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010D |
| 14.50. Calcium/Ca- expressed as CaO | БДС EN ІSO 11885, cl. 9.5.1БДС EN 15309ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010D |
| 14.51. Cobalt/Co | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.52. Lanthanum/La | EPA 6010DБДС EN ISO 22036 |
| 14.53. Lithium/Li | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010D |
| 14.54. Magnesium/Mg - expressed as MgO | БДС EN ІSO 11885, cl. 9.5.1БДС EN 15309ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010D |
| 14.55. Manganese/Mn | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4БДС EN 15309 |
| 14.56. Copper/Cu | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 EPA 6010D БДС EN ISO 22036БДС EN 15411, cl. 6.4ETC 7.1-10/2017БДС EN 15309 |
| 14.57. Molybdenum/Mo | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4БДС EN 15309 |
| 14.58. Sodium/Na | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15309 |
| 14.59. Nickel/Ni | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.60. Lead/Pb | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 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 ІSO 11885, cl. 9.5.1БДС EN 15411, cl. 6.4БДС EN ISO 22036 |
| 14.64. Silicon/Si | БДС EN ІSO 11885, cl. 9.5.1БДС EN 15309  |
| 14.65. Silver/Ag | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DETC 7.1-13/2016 |
| 14.66. Strontium/Sr | БДС EN ІSO 11885, cl. 9.5.1БДС EN ISO 22036EPA 6010D |
| 14.67. Sulphur/S - (total)- (sulphide)- (sulphate) | БДС EN ІSO 11885, cl. 9.5.1БДС EN 15408ETC 7.3-7/2018 ETC 7.1-25/2017 ETC 7.1-25/2017  |
| 14.68. Thallium/Tl | БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.69. Tellurium/Te | БДС EN ISO 22036 EPA 6010D |
| 14.70. Titanium/Ti | БДС EN ІSO 11885, cl. 9.5.1БДС EN ISO 22036EPA 6010DБДС EN 15309 |
| 14.71. Chromium (total) /Cr | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.72. Chromium (hexavalent) | ІSO 11083, cl. 7.1) |
| 14.73. Zinc/Zn | БДС EN ІSO 11885, cl. 9.5.1ETC 7.1-38/2014 БДС EN ISO 22036EPA 6010DБДС EN 15411, cl. 6.4 |
| 14.74. Zirconium/Zr | БДС EN ІSO 11885, cl. 9.5.1БДС EN ISO 22036 EPA 6010D |
| 14.75. X-ray fluorescence analysis of elements/oxides14.75.1. Silicon (Si)/ Silicon dioxide (SiO2)14.75.2. Aluminum (Al)/ Aluminium oxide (Al2O3)14.75.3. Magnesium (Mg)/ Magnesium Oxide (MgO)14.75.4. Sodium (Na)/Sodium oxide (Na2O)14.75.5. Titanium (Ti)/ Titanium Dioxide (TiO2)14.75.6. Iron (Fe)/ Ferric oxide (Fe2O3)14.75.7. Potassium (K)/ Potassium oxide (K2O)14.75.8. Calcium (Ca)/ Calcium Oxide (CaO)14.75.9. Manganese (Mn)/ Manganese oxide (MnO)14.75.10. Phosphorus (P)/ Phosphorus pentoxide (P2O5)14.75.11. Barium (Ba)/ Barium Oxide (BaO)14.75.12. Chromium (Cr)/ Chromium Oxide (Cr2O3)14.75.13. Sulfur (S)/ Sulfur trioxide (SO3)14.75.14. Strontium (Sr) / Strontium oxide (SrO)14.75.15. Vanadium (V)/ Vanadium pentoxide (V2O5) | ETC 7.1-3/2022 |
| 14.76. Chemical elements from Na to U | ETC 7.2.1-28/2010 ISO 22309  |
| 14.77. Phenol index | БДС ІSO 6439 (Method А, Method В)ETC 7.3-10/2021  |
| 14.78. Petroleum products /non-polar hydrocarbons С10-С40/ | БДС EN 14039 |
| 14.79. Volatile Organic Compounds (VOC)\*\* | EPA 5021A |
| 14.80. Polycyclic aromatic hydrocarbons (РАН) | БДС EN 17503 |
| 14.81. Polychlorinated biphenyls\*\* | БДС EN 17322ETC 7.3-6/2023 |
| 14.82. Pesticides\*\* | ETC 7.3-6/2023 |
| 14.83. Fats (vegetable oils and animal fats) | ETC 7.3-31/2012 |
| 14.84. Calorific value / Heat of combustion | CEN/TS 16023БДС EN ISO 21654 |
| 14.85. Neutralization Potential Ratio (NPR) | БДС EN 15875 |
| 14.86. Acid neutralization capacity (ANC) | CEN/TS 15364 |
| 14.87. Ash | БДС EN ISO 21656 |
| 14.88. Volatile matter | БДС EN 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 |
| 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 |
| 17.3. Open time, by using tensile strength | БДС EN 12004-2, cl. 8.1 |
| 17.4. Slip | БДС EN 12004-2, cl. 8.2 |
| 18. | Building lime | 18.1. Calcium oxide/CaO | БДС EN 459-2, cl. 5.2 |
| 18.2. Magnesium oxide/MgO | БДС EN 459-2, cl. 5.2 |
| 18.3. Total СаО and МgО content | БДС EN 459-2, cl. 5.2 |

**To perform sampling of:**

| **Scope type:** *flexible for part of the scope\** |
| --- |
| **№**  | **Poducts** | **Sampling methods****(standard/validated method)** |
| 1 | 2 | 3 |
| 1. | Water: drinking (1), mineral (2),surface (З), ground (4), from swimmingpools (5), waste (6) | БДС ІSO 5667-4 (3, 5)БДС ІSO 5667-5 (1, 2)БДС EN ІSO 5667-6 (3)БДС ІSO 5667-10 (6)БДС ІSO 5667-11 (4)БДС EN ІSO 19458 (1÷4) |
| 2. | Soils (1), sludge and sediments (2) | БДС 17.4.5.01 (1)БДС ISO 18400-102 (1) БДС ІSO 5667-12 (2)БДС EN ІSO 5667-13 (2) |
| 3. | Ores and ore processing products  | БДС ІSO 12743 |
| 4. | Petroleum products | БДС EN ІSO 3170 |
| 5. | Natural gas | БДС EN ІSO 10715 |
| 6. | Solid biofuels | БДС EN ISO 18135 |
| 7. | Waste | CEN/TR 15310-2 БДС EN 12579 |
| 8. | Concrete | БДС EN 12350-1 |
| 9. | Rocks and aggregates | БДС EN 932-1БДС EN 13286-1 |
| 10. | Cement | БДС 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.*

**\*\*Flexible scope reference:**

|  |  |
| --- | --- |
| ETC 7.3-1/2020 | Water. Determination of Volatile Organic Compounds (VOC) |
| ETC 7.3-27/2023 | Water. Determination of haloacetic acids |
| ETC 7.3-28/2021 | Water. Determination of pesticides |
| ETC 7.3-6/2023 | Soils, waste, sludge and sediments. Determination of pesticides. |

**Fixed scope reference:**

|  |  |
| --- | --- |
| 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 (CO2) 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 7.1.3-18/2010 | 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-) and sulphides (S2-) content determination method. Photometric method. |
| ETC 7.1.3-26/2010 | Water. AOH (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 7.1.3-30/2021 | 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 7.1.3-41/2021 | Water, 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 metaboric 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 7.1-10/2017 | 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 7.3-10/2021 | Water. Determination of phenols and phenol index. Photometry method. |
| ETC 7.3-15/2010 | Ores and concentrates. Determination of sulphur content by element analyzers. |
| 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 analyzers.  |
| ETC 7.3-23/2016 | Water. Determination of the content of total extractactable hydrocarbons by C10-C40/ by gas chromatography (GC-FID). |
| 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 7.3-30/2012 | 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 7.3-7/2018 | Rocks and minerals, sludge and sediments, solid waste. Determination of sulphur.  |