**SCOPE 254 ЛИ**

**Sofia, 08.11.2024**

**of REGIONAL HEALTH INSPECTORATE - BURGAS**

**LABORATORY TESTING COMPLEX**

**Management and laboratory address:** 8001 Burgas, 120 Aleksandrovska 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 |
| **I.** | **FOODS** | | |
| **I.1**  **I.2** | **MICROBIOLOGY OF FOODS**  **RADIOLOGY OF FOODS** | | |
|  | Milk and dairy products (1)  Meat and meat products (2)  Grain and corn and their derivatives. Bread and bakery (3)  Canned food (4)  Spices and herbs (5)  Sugar, sugar products and confectionery (6)  Animal and vegetable fats and oils (7)  Oil-yielding seed and nuts (8)  Fruit and vegetable (9)  Coffee, tea, cocoa (10)  Soft drinks (11)  Eggs and egg products (12)  Ready meals and dishes (13)  Fish and fish products (14) | **MICROBIOLOGY** | |
| 1. Coliform bacteria | ISO 4832 (3,6,9,12,13) |
| 2. β-Glucuronidase positive Escherichia coli | БДС ISO 16649-2 (3,6,9,12,13) |
| 3. Salmonella spp. | БДС EN ISO 6579-1 (3,6,9,12,13) |
| 4. Number of microorganisms | БДС EN ISO 4833-1 (3,6,9,12,13) |
| 5. Coagulase-positive staphylococci | БДС EN ISO 6888-1/A1 (3,6,9,12,13) |
| 6. Sulfite-reducing clostridia | БДС EN ISO 15213-1 (3,6,9,12,13) |
| 7. Listeria monocytogenes | БДС EN ISO 11290-1 (3,6,9,12,13) |
| БДС EN ISO 11290-2/A1 (3,6,9,12,13) |
| 8. Presumable Bacillus cereus | БДС EN ISO 7932 (3,6,9,12,13) |
| 9. Enterobacteriaceae | БДС EN ISO 21528-2 (3,6,9,12,13) |
| **RADIOLOGY** | |
| Specific activity of γ radionuclides | IEC 61452 (1,2,3,4,5,6,7,8,9,10,  11,12,13,14) |
|  | **WATER** | | |
| **II.1.** | **PHYSICAL CHEMISTRY AND TOXICOLOGY OF WATER** | | |
|  |  | 1. Active reaction (pH) | БДС 3424, cl. 1 (1,2) |
| БДС EN ISO 10523 (4) |
| 2. Ammonium ions | БДС EN 3587, cl. (1,2) |
| ВВЛМ № 2:2021 (4) |
| 3. Iron | БДС 16777, cl. 1 (1,2) |
| БДС EN ISO 15586, cl. 7.2 (1,2) |
| БДС ISO 6332, cl. 7.1 (1,2,4) |
| 4. Manganese (total) | БДС ISO 6333 (1,2,4) |
| БДС EN ISO 15586, cl. 7.2 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 5. Nitrates | БДС 3758, cl.1 (1,2) |
| 6. Nitrites | БДС EN 26777 (1,2,4) |
| 7. Turbidity | БДС EN ISO 7027-1 (1,2) |
| 8. Free chloride | БДС EN ISO 7393-2, cl. 6.4 (1,2) |
| ВВЛМ № 1:2021 (4) |
| 9. Polycyclic aromatic hydrocarbons, as the sum total of  Benzo(b)fluoranthene  Benzo(k) fluoranthene  Benzo(ghi) fluoranthene  Indeno(1,2,3-cd) pyrene  Benzo(a)pyrene | БДС EN ISO 17993 (1,2) |
| 10. Calcium | БДС ISO 6058 (1,2) |
| 11. Magnesium | ВВЛМ № 4:2021 (1,2) |
| 12. Total solidity | БДС ISO 6059 (1,2) |
| 13. Oxidizability | БДС 3413 (1,2) |
| ВВЛМ № 3:2021 (4) |
| 14. Sulfates | БДС 3588 (1,2) |
| 15. o-Phosphates | БДС EN ISO 6878, cl. 4 (1,2) |
| 16. Chlorides | БДС 3414 (1,2) |
| 17. Zinc | БДС 16777, cl. 1 (1,2) |
| 18. Nickel | БДС EN ISO 17294-2 (1,2) |
| БДС EN ISO 15586, cl. 7.2 (1,2) |
| 19. Copper | БДС 16777, cl. 1 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 20. Cadmium | БДС 16777, cl. 1 (1,2) |
| БДС EN ISO 15586, cl. 7.2 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 21. Lead | БДС 16777, cl. 1 (1,2) |
| БДС EN ISO 15586, cl. 7.2 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 22. Sodium | БДС ISO 9964-1 (1,2) |
| 23. Fluorides | БДС 16911, cl. 1 (1,2) |
| 24.1. Hexavalent chromium  24.2. Chromium | БДС 7212 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 25. Aluminum | БДС ISO 10566 (1,2) |
| 26. Arsenic | БДС 3570 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 27. Boron | БДС ISO 9390 (1,2) |
| БДС EN ISO 17294-2 (1,2) |
| 28. Specific electrical conductivity at 25°C | БДС EN 27888 (1,2) |
| 29. Organophosphate pesticides\* | ВВЛМ № 10:2013 (1,2)  ВВЛМ № 6:2021 (1,2) |
| 30. Organochlorine pesticides\* | ВВЛМ № 10:2013 (1,2) |
| 31. Trihalomethanes, as a sum total of:  Chloroform  Bromoform  Dibromochloromethane  Bromodichloromethane | БДС EN ISO 10301 (1,2) |
| 32. Tetrachloroethane, trichloroethane | БДС EN ISO 10301 (1,2) |
| 33. Benzene | ВВЛМ № 5:2011 (1,2) |
| 34. 1,2 Dichloroethane | БДС EN ISO 10301 (1,2) |
| 35. Cyanides | БДС 7214 (1,2) |
| 36. Vynil-chloride | БДС EN ISO 10301 (1,2) |
| 37. Antimony | БДС EN ISO 17294-2 (1,2) |
| 38. Selenium | БДС EN ISO 17294-2 (1,2) |
| 39. Mercury | БДС EN ISO 17294-2 (1,2) |
| 40. Uranium | БДС EN ISO 17294-2 (1,2) |
| **II.2** | **MICROBIOLOGY OF WATER** | | |
|  | Potable water (1)  Bottled mineral, spring and table water (2)  Surface water for bathing and for water sports (3)  Water from swimming pools (4) | 1. Fecal coliforms | БДС 17335, cl. 7.2.2. (4) |
| 2. Escherichia coli | БДС EN ISO 9308-1 (1,2) |
| БДС EN ISO 9308-3 (3) |
| 3.1 Coliforms  3.2 Coliform bacteria | БДС 17335, cl. 7.2.1. (4) |
| БДС EN ISO 9308-1 (1,2) |
| 4. Microbe number | БДС 17335, cl. 6 (4) |
| 5. Viable organisms | БДС EN ISO 6222 (1,2) |
| 6. Enterococci | БДС 17335, cl. 8 (4) |
| 7. Intestinal enterococci | БДС EN ISO 7899-1 (3) |
| БДС EN ISO 7899-2 (1,2) |
| 8. Staphylococci and S. aureus | БДС 17335, cl. 9.1 (4) |
| 9. Spores of sulfite-reducing anaerobes (clostridiua) | БДС EN 26461-2 (1,2) |
| 10. Salmonella spp. | БДС EN ISO 19250 (1,3) |
| 11. Pseudomonas aeruginosa | БДС EN ISO 16266 (1,2) |
| **II.3** | **RADIOLOGY OF WATER** | | |
|  | Potable water | 1. Total alpha activity | БДС EN ISO 9696 |
| 2. Total beta activity | БДС EN ISO 9697 |
| **III.** | **SURFACE SAMPLING** | | |
|  | Work surface | 1. Coliforms | ISO 4832 |
| 2. Salmonella spp. | БДС EN ISO 6579-1 |
| 3. Coagulase-positive staphylococci | БДС EN ISO 6888-1/A1 |
| 4. Microorganisms | БДС EN ISO 4833-1 |
| 5. Listeria monocytogenes | БДС EN ISO 11290-1 |
| **IV.** | **COSMETIC PRODUCTS** | | |
| **IV.1** | **PHYSICAL CHEMISTRY OF COSMETIC PRODUCTS** | | |
| 1. | Toothpaste | Total fluoride in toothpaste | ВВЛМ № 7:2024 |
| 2. | Sun protection cosmetic products | Oxyl methoxycinnamate | ВВЛМ № 11:2015 |
| 3. | Products for colouring eye lashes and eyebrows | Identification and determining of silver nitrate | Annex № 2, cl. XXX, Ordinance № 14 of the Ministry of Health |
| **IV.2** | **MICROBIOLOGY OF COSMETIC PRODUCTS** | | |
|  | All cosmetic products | 1. Yeast and mould | БДС EN ISO 16212 |
| 2. Aerobic mesophilic bacteria | БДС EN ISO 21149 |
| 3. Escherichia coli | БДС EN ISO 21150 |
| 4. Pseudomonas aeruginosa | БДС EN ISO 22717 |
| 5. Staphylococcus aureus | БДС EN ISO 22718 |
| 6. Candida albicans | БДС EN ISO 18416 |

**To perform sampling of:**

|  |  |  |
| --- | --- | --- |
| **Type of the scope:** *flexible* | | |
| **№** | **Product** | **Sampling methods**  **(standard/validated method)** |
| 1 | 2 | 3 |
| 1. | Potable water | БДС ISO 5667-5  БДС EN ISO 19458 |
| 2. | Surface water for bathing and for water sports | БДС ISO 5667-9, cl. 4.2.2.  БДС EN ISO 19458 |

***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 the scope of its competencies, the laboratory is authorized to determine all characteristics (column 3) in accordance with the marked testing methods (column 4) belonging to the group of products (column 2) after verification/validation performed, provision of CRM/RM and calibrated technical devices. The laboratory maintains a detailed and dated list of the products and characteristics belonging to the products mentioned within the scope of accreditation.*

**Flexible scope references:**

ВВЛМ № 10:2013 Determining pesticides in potable water through solid-phase extraction and gas chromatography.

ВВЛМ № 6:2021 Determining pesticides in potable water through solid-phase extraction and liquid chromatography.

**Fixed scope references:**

ВВЛМ № 1:2021 Colorimetric method by using N, N-dialkyl-1,4-phenylenediamine for determining free chlorine in swimming pool water.

ВВЛМ № 2:2021 Determining the content of ammonium ions in swimming pool water.

ВВЛМ № 3: 2021 Determining permanganate oxidizability of swimming pool water.

ВВЛМ № 4:2021 Determining magnesium content in potable water. Titrimetric method with EDTA.

ВВЛМ № 5:2011 Gas chromatographic method for determining benzene in water.

ВВЛМ № 7:2024 Method for determining total fluoride in toothpaste.

ВВЛМ № 11:2015 Method for determining oxyl methoxycinnamate in sun protection products.

Ordinance № 14 of the Ministry of Health – Ordinance № 14/ 28.07.2014 on determining detailed rules for presenting the information specified in Art. 19, para. 4 of Regulation (EC) № 1223/2009 concerning cosmetic products and chemical methods for checking the content of cosmetic products, published in SG № 68/15.08.2024: Annex 2 – Chemical methods for checking the content of cosmetic products. Clause XXX Identification and estimation of silver nitrate in cosmetic products.