



**REPUBLIC OF BULGARIA**  
Executive Agency  
Bulgarian Accreditation Service



**Signatory to the EA Multilateral Agreement in this field**

## ORDER

**№ A 139**  
**Sofia, 10.03.2021**

Pursuant to Art. 10, par. 1, item 2a of the Law on the National Accreditation of Conformity Assessment Bodies and item 5.3.1, in reliance with the amendment to a component of the content of the Certificate subject to item 4.3.8 e) and f) of Accreditation Procedure BAS QR 2, evaluation report № 68/249 ЛИ/3/В/02.11.2020 and Annex № 68/249 ЛИ/39/В/04.01.2021, and Letter Ref. № 68/249 ЛИ/42/Е/26.02.2021, I hereby

## AMEND

Accreditation Order № A 66/28.02.2018 to Certificate Reg. № 249 ЛИ/ 28.02.2018,  
valid until 28.02.2022

of

### LABORATORY AND TESTING FACILITY AT SOFIA REGIONAL HEALTH INSPECTORATE

**Address of the management:** 1233 Sofia, 20, Vranja Street  
**Address of the Laboratory:** 1303 Sofia, 169 A, Tzar Simeon Street

as follows:

To perform testing of:

| Type of scope: flexible for part of the scope |  |                               |   |
|---|--|-------------------------------|---|
| No  | Tested products  | Type of test / characteristic | Test methods<br>(standard/validated method)                 |
| 1   | 2  | 3                             | 4   |
| <b>1. Chemical tests</b>                      |  |                               |   |
| <b>I. Water</b>                               |  |                               |   |
|   | Water intended for drinking and household purposes (1)             | 1. chlorine residual          | БДС 3560 - (1), (4), (6)                                    |
|   |  | 2. colour                     | БДС EN ISO 7887- (1), (2), (3), (4), (6)                    |
|   | Surface water (2)  | 3. odour                      | БДС 8451, s. 4 - (1), (4), (6)<br>БДС 17.1.4.01, s. 2 - (2) |
|   |  | 4. taste                      | БДС 8451, s. 3 - (1), (6)                                   |
|   | Water of outdoor water areas used for bathing and water sports (3) | 5. turbidity                  | БДС EN ISO 7027-1 - (1), (2), (3), (6)                      |
|   |  | 6. pH                         | БДС 3424 - (1), (4), (5), (6)<br>БДС 17.1.4.27 - (2), (3)   |
|   | Swimming pool water (4)  | 7. electrical conductivity    | БДС EN 27888 - (1), (2), (6)                                |

Water of mineral water sources (5)

Natural mineral, spring and table water - before and after bottling (6)

|   |  |
|---|--|
| 8. ammonium ions                        | БДС 3587 - (1), (4), (5), (6)<br>БДС 17.1.4.10 - (2), (3)                                |
| 9. permanganate index                   | БДС 3413 - (1), (4), (5), (6)  |
| 10. nitrates                            | БДС 3758 - (1), (5), (6)<br>БДС 17.1.4.12 - (2), (3)                                     |
| 11. nitrites                            | БДС EN 26777 - (1), (4), (5), (6)  |
| 12. fluorides (fluorine)                | БДС 16911 - (1), (2), (5), (6)   |
| 13. chlorides                           | БДС 3414 - (1), (6)<br>БДС 17.1.4.24 - (2)   |
| 14. sulfates                            | БДС 3588 - (1), (6)<br>БДС 17.1.4.03 - (2)   |
| 15. phosphates                          | БДС EN ISO 6878 - (1), (2), (3), (6)   |
| 16. cyanides                            | БДС 7214 - (1), (6)<br>БДС 17.1.4.14 - (2), (3)  |
| 17. bromates                            | БДС EN ISO 15061 - (1), (6)  |
| 18. calcium                             | БДС ISO 6058 - (1), (6)  |
| 19. magnesium                           | БДС ISO 6059 - (1), (6)  |
| 20. total water hardness                | БДС ISO 6059 - (1), (6)  |
| 21. suspended solids                    | БДС 17.1.4.04, s. 2 - (2)  |
| 22. temperature                         | БДС 17.1.4.01, s. 4 - (2), (5), (6)  |
| 23. surfactants                         | БДС 17.1.4.25 - (2), (3)   |
| 24. phenol index                        | БДС ISO 6439 - (2), (3)  |
| 25. chemical oxygen demand              | БДС 17.1.4.02 - (2)  |
| 26. dissolved oxygen                    | БДС 17.1.4.08 - (2), (3)   |
| 27. total Kjeldahl nitrogen             | БДС EN 25663 - (2), (3)  |
| 28. carbon dioxide                      | БДС 3097, s. 2.3 - (5), (6)  |
| 29. sulfur compounds oxidized by iodine | БДС 3097, s. 2.13 - (5), (6)   |
| 30. epichlorohydrin                     | БДС EN 14207 - (6)   |
| 31. ozone                               | 02/В/ОZ:2013 - (6)<br>БДС CEN/TR 14740 - (6)   |
| 32. aluminum                            | 01/ICP/MS/ECW:2014 - (1), (6)<br>БДС ISO 10566 - (1), (6)                                |
| 33. antimony                            | 01/ICP/MS/ECW:2014 - (1), (5), (6)   |
| 34. barium                              | 01/ICP/MS/ECW:2014 - (2), (5), (6)   |
| 35. beryllium                           | 01/ICP/MS/ECW:2014 - (2)   |
| 36. borates (boron)                     | БДС ISO 9390 - (1), (2), (5), (6)  |
| 37. vanadium                            | 01/ICP/MS/ECW:2014 - (2)   |
| 38. iron                                | 01/ICP/MS/ECW:2014 - (1), (2), (4), (6)<br>БДС 16777 - (1), (2), (4), (6)                |
| 39. cobalt                              | 01/ICP/MS/ECW:2014 - (2)   |
| 40. manganese                           | 01/ICP/MS/ECW:2014 - (1), (2), (4), (5), (6)<br>БДС 16777 - (1), (2), (4), (5), (6)      |
| 41. sodium                              | 07/AAC/Na: 2015 - (1), (6)<br>БДС ISO 9964-1 - (1), (6)<br>01/ICP/MS/ECW:2014 - (1), (6) |
| 42. selenium                            | 01/ICP/MS/ECW:2014 - (1), (2), (5), (6)  |
| 43. tetrachloroethene                   | БДС EN ISO 10301 - (1), (6)  |
| 44. 1,2-dichloroethane                  | БДС EN ISO 10301 - (1), (6)  |
| 45. bromoform                           | БДС EN ISO 10301 - (6)   |

|                                 |   |   |   |
|---------------------------------|---|---|---|
|                                 |   | 46. trihalomethanes   | БДС EN ISO 10301 – (1), (6)   |
|                                 |   | 47. benzene   | БДС ISO 11423-1 – (1), (6)  |
|                                 |   | 48. polycyclic aromatic hydrocarbons  | БДС EN ISO 17993 – (1), (2), (6)  |
|                                 |   | 49. benzo[a]pyrene  | БДС EN ISO 17993 – (1), (6)   |
|                                 |   | 50. trichloroethene   | БДС EN ISO 10301 – (1), (6)   |
| II.                             | Biocidal products   | 1. active chlorine  | 01/DEZ/ChI: 2009  |
| III.                            | Detergents  | 1. total surfactant content   | БДС 9025, s. 1  |
|                                 |   | 2. pH of aqueous solutions of surfactants                                     | БДС ISO 4316  |
|                                 |   | 3. phosphates (as P <sub>2</sub> O <sub>5</sub> in surfactants)               | БДС ISO 4313  |
|                                 |   | 4. carbonates   | БДС 8860  |
|                                 |   | 5. bleach activator   | БДС 8858  |
| IV.                             | Materials and articles in contact with food   | 1. general migration  | Ordinance No. 2/2008, Annex No. 9 to Art. 21, par 2<br>БДС EN 1186-9; БДС EN 1186-3 |
| V.                              | Chemical substances and mixtures  | 1. methanol   | 02/GC/FID/MET:2013  |
|                                 |   | 2. toluene  | 01/GC/FID/TOL:2017  |
| <b>2. Microbiological tests</b> |   |   |   |
| <b>I. Water</b>                 |   |   |   |
|                                 | Water intended for drinking and household purposes (1)<br>Surface water (2)<br>Water of outdoor water areas used for bathing and water sports (3)<br>Swimming pool water (4)<br>Water of mineral water sources (5)<br>Natural mineral, spring and table water - before and after bottling (6) | 1. Escherichia coli   | БДС EN ISO 9308-1/A1 – (1), (3), (5), (6)<br>БДС 17336 – (1)                        |
|                                 |   | 2. Coliforms  | БДС EN ISO 9308-1/A1 – (1), (2), (3), (5), (6)<br>БДС 17336 – (1)                   |
|                                 |   | 3. Clostridium perfringens/sulfite-reducing clostridia                        | БДС EN 26461-2 – (1), (5), (6)  |
|                                 |   | 4. counting colonies / microbial count at 37°C and 22 °C / total viable count | БДС EN ISO 6222 – (1), (5), (6)<br>БДС 17336 – (1)                                  |
|                                 |   | 5. Enterococci/fecal Streptococci/intestinal Enterococci                      | БДС EN ISO 7899-1, 2 – (1), (2), (3), (5), (6)<br>БДС 17336 – (1)                   |
|                                 |   | 6. fecal coliforms  | БДС EN ISO 9308-1/A1 – (2), (3)<br>БДС EN ISO 9308-3 – (2), (3)                     |
|                                 |   | 7. Salmonella spp.  | БДС EN ISO 19250 – (2), (3)   |
|                                 |   | 8. microbial count  | БДС 17335 – (4)   |
|                                 |   | 9. Escherichia coli and total coli titer                                      | БДС 17335 – (4)   |
|                                 |   | 10. Staphylococcus titer  | БДС 17335 – (4)   |
|                                 |   | 11. Enterococcus titer  | БДС 17335 – (4)   |
|                                 |   | 12. Pseudomonas aeruginosa  | БДС EN ISO 16266 – (5), (6)   |
| <b>3. Pesticides</b>            |   |   |   |
|                                 | Water (1)<br>Surface water (1.1)<br>Water of outdoor water areas used for bathing and water sports (1.2)<br>Natural mineral, spring and table water - before and after bottling (1.3)<br>Water intended for   | 1. organochlorine pesticides  | БДС EN ISO 6468 – (1.1), (1.2), (1.3), (1.4)  |
|                                 |   | 2. organophosphorus pesticides  | БДС EN 12918 – (1.1), (1.2), (1.3), (1.4)   |

|                         |  |                        |  |
|-------------------------|--|------------------------|--|
|                         | drinking and household purposes (1.4)  |                        |  |
| <b>4. Metal content</b> |  |                        |  |
|                         | Water (1)<br>Water intended for drinking and household purposes (1.1)<br>Surface water (1.2)<br>Water of outdoor water areas used for bathing and water sports (1.3)<br>Water of mineral water sources (1.4)<br>Natural mineral, spring and table water - before and after bottling (1.5)<br>Products in direct contact with human body (2)<br>Materials and articles in contact with food (3) | 1. lead                | 01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.3), (1.4), (1.5)<br>БДС 16777 - (1.1), (1.2), (1.3), (1.4), (1.5)<br>Ordinance No. 3/2007, Annex No. 3 to Art. 9 - (3)<br>БДС EN 1388-1 - (3)  |
|                         |  | 2. arsenic             | 01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.3), (1.4), (1.5)<br>БДС ISO 17378-2 - (1.1), (1.2), (1.3), (1.4), (1.5)  |
|                         |  | 3. copper              | 01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.4), (1.5)<br>БДС 16777 - (1.1), (1.2), (1.4), (1.5)  |
|                         |  | 4. zinc                | 01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.4), (1.5)<br>БДС 16777 - (1.1), (1.2), (1.4), (1.5)  |
|                         |  | 5. nickel              | 08/AAC/Ni:2014 - (1.1), (1.2), (1.4), (1.5)<br>01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.4), (1.5)<br>БДС EN 1811+A1 - (2)   |
|                         |  | 6. cadmium             | БДС 16777 - (1.1), (1.2), (1.3), (1.4), (1.5)<br>БДС EN ISO 5961 - (1.1), (1.2), (1.3), (1.4), (1.5)<br>Ordinance No. 3/2007, Annex No. 3 to Art. 9 - (3)<br>БДС EN 1388-1 - (3)<br>01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.3), (1.4), (1.5) |
|                         |  | 7. chromium - total    | 01/ICP/MS/ECW:2014 - (1.1), (1.2), (1.5)<br>БДС 7212 - (1.1), (1.5)<br>БДС 17.1.4.17 - (1.2)   |
|                         |  | 8. trivalent chromium  | БДС 17.1.4.17 - (1.2)  |
|                         |  | 9. hexavalent chromium | БДС 17.1.4.17 - (1.2), (1.3)<br>БДС 7212 - (1.4)   |
|                         |  | 10. mercury            | БДС EN ISO 12846 - (1.1), (1.2), (1.3), (1.4), (1.5)   |

**To perform sampling of:**

| Type of scope: flexible for part of the scope |                     |  |
|---|---------------------|--|
| No.   | Name of the product | Sample (extract) taking method   |
| 1   | 2                   | 3  |
| 1.  | Water               | БДС ISO 5667-4<br>БДС ISO 5667-5<br>БДС EN ISO 5667-6<br>БДС EN ISO 19458<br>БДС 17335 |
| 2.  | Detergents          | Ordinance No. 25/2007, part II   |

**References:**

- |                     |  |
|---------------------|--|
| 1. 02/B/OZ:2013     | Method for determination of ozone content in natural mineral and table water |
| 2. 01/DEZ/ChI: 2009 | Determination of active chlorine content in biocidal products                |

3. 01/ICP/MS/ECW:2014 Method for determination of trace elements in water
4. 02/GC/FID/MET:2013 Methanol
5. 07/AAC/Na:2015 Method for determination of sodium content in water by atomic absorption flame spectrometry
6. 01/GC/FID/TOL:2017 Determination of toluene in paints and glues by head-space gas chromatographic analysis
7. 08/AAC/Ni:2014 Method for determination of nickel content in water by atomic absorption flame spectrometry
8. Ordinance No. 3, Annex 3 to Art. 9 - Ordinance on the specific requirements for materials and articles, other than plastics intended to come into contact with food. Promulgated in State Gazette, issue 51/2007
9. Ordinance No. 25, part II – Ordinance No. 25 on the conditions and procedure for sampling and conducting laboratory tests, analyzes and examinations necessary for the purposes of the government health control. Promulgated in State Gazette, issue 48/2007
10. Ordinance No. 2, Annex No. 9 to Art. 21, par. 2 - Ordinance No. 2 on plastic materials and articles intended to come into contact with food. Promulgated in State Gazette, issue 13/2008

*Note: Introduction of a new version of the standards, or standards, which substitute them, is allowed. The laboratory maintains a current list of the standards with their dated versions.*

### **I HEREBY ORDER**

To issue the Certificate of accreditation reg. № 249 ЛИ/10.03.2021 valid until 28.02.2022 and this order enclosed as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from manager of Sofia Regional Health Inspectorate, the Head of the Laboratory and Testing Facility at Sofia Regional Health Inspectorate or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the Laboratory and Testing Facility at Sofia Regional Health Inspectorate is obliged to return to EA BAS the originals of Certificate of accreditation reg. № 249 ЛИ/28.02.2018 valid until 28.02.2022 and the enclosure Order for accreditation № A 66/28.02.2018

This Order shall be notified to the Laboratory and Testing Facility at Sofia Regional Health Inspectorate within 3 (three) days from its issuance.

**Eng. IRENA BORISLAVOVA**

Executive Director  
of the Executive Agency Bulgarian Accreditation Service

