**REPUBLIC OF BULGARIA**
**Executive agency**
**Bulgarian accreditation service**

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

**ORDER**

**№ A 305**

**Sofia, 30.09.2025**

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, items 6 and 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 82/167 ЛИ/ПА/РО/10.01.2025, assessment report reg. № 82/167 ЛИ/8/В/24.07.2025 and statement of the Accreditation Commission, reg. № 82/167 ЛИ/ПА/РО/11/В/03.09.2025, I hereby

**RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION**

**VODOSNABDYAVANE I KANALIZATSIYA DOBRICH AD**
**TESTING LABORATORY**

**Management address:**
9300 Dobrich, 59 Treti Mart Blvd, p.o. Box 203

**Laboratory address:**
Drinking, Surface and Groundwater Direction: 9300 Dobrich, 59 Treti Mart Blvd.
Wastewater Direction: 9345 Vrachantsi, Dobrich Region, Wastewater Treatment Plant

**To perform testing of:**

| **Type of the scope:** *flexible for a part of the scope* | | | |
|---|---|---|---|
| **№** | **Tested products** | **Type of test / characteristic** | **Testing methods (standard / validated method)** |
| 1 | 2 | 3 | 4 |
| 1. | Drinking water (1), Surface water (2), Groundwater (3) | 1.1 Color | БДС 8451, (1) |
| | | 1.2 Active reaction (pH) | БДС EN ISO 10523, (1), (2), (3) |
| | | 1.3 Electrical conductivity | БДС EN 27888, (1), (2), (3) |
| | | 1.4 Turbidity | БДС EN ISO 7027-1, (1), (2), (3) |
| | | 1.5 Ammonium ions | БДС 3587, cl. 2, (1)<br>IVLM 17:2024, (1), (2), (3) |
| | | 1.6 Nitrites | БДС EN 26777, (1), (2), (3)<br>IVLM 18:2024, (1), (2), (3) |
| | | 1.7 Nitrates | БДС 3758, cl. 1, (1) |

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| **Type of the scope:** *flexible for a part of the scope* | | | |
|---|---|---|---|
| **№** | **Tested products** | **Type of test / characteristic** | **Testing methods (standard / validated method)** |
| 1 | 2 | 3 | 4 |
| | | | IVLM 19:2024, (1), (2), (3) |
| | | 1.8 Chlorides | БДС 3414, (1)<br>БДС 17.1.4.24, (2),(3) |
| | | 1.9 Phosphates | IVLM-1-DW:2006, (1), (2), (3) |
| | | 1.10 Sulfates | IVLM-2-DW:2005, (1), (2), (3) |
| | | 1.11 Magnesium | IVLM-16-DW:2020, (1), (2), (3) |
| | | 1.12 Calcium | БДС ISO 6058, (1), (2), (3) |
| | | 1.13 Sum of calcium and magnesium | БДС ISO 6059, (1), (2), (3) |
| | | 1.14 Iron | БДС ISO 6332, cl. 7.1, (1), (2), (3)<br>IVLM-20:2024, (1), (2), (3) |
| | | 1.15 Copper | IVLM-3-DW:2005, (1), (2), (3) |
| | | 1.16 Zinc | IVLM-4–DW:2005, (1), (2), (3) |
| | | 1.17 Chrome | IVLM-5-DW:2005, (1), (2), (3) |
| | | 1.18 Manganese | IVLM-6-DW:2005, (1), (2), (3)<br>БДС ISO 6333, (1), (2), (3) |
| | | 1.19 Cyanides | IVLM-7-DW:2005, (1), (2), (3) |
| | | 1.20 Fluorides | IVLM-8-DW:2005, (1), (2), (3) |
| | | 1.21 Residual chlorine | БДС 3560, cl. 5, (1) |
| | | 1.22 Oxidation (permanganate) | БДС 3413, (1)<br>БДС 17.1.4 .16, (2),(3) |
| | | 1.23 Dissolved oxygen | БДС 17.1.4.08, (2), (3) |
| | | 1.24 Aluminum | IVLM-9-DW:2006, (1), (2), (3) |
| | | 1.25 Nickel | IVLM-10-DW:2007, (1), (2), (3) |
| | | 1.26 Boron | IVLM-11-DW:2012, (1), (2), (3) |
| | | 1.27 Lead | IVLM-12–DW:2012, (1), (2), (3) |
| | | 1.28 Cadmium | IVLM-13–DW:2012, (1), (2), (3) |
| | | 1.29 Arsenic | IVLM-14-DW:2012, (1), (2), (3) |
| | | 1.30 Sodium | IVLM-15-DW:2012, (1), (2), (3) |
| | | 1.31 Solids | БДС 3546, (1)<br>БДС 17.1.4.04, (2), (3) |
| | | 1.32 Coliform bacteria | БДС EN ISO 9308-1, (1), |
| | | 1.33 Escherichia coli | БДС EN ISO 9308-1, (1) |
| | | 1.34 Intestinal Enterococci | БДС EN ISO 7899-2, (1), (3) |
| | | 1.35 Viable microbial count (microbial count at 22°C and 36°C) | БДС EN ISO 6222, (1), (3) |

**II. Wastewater Laboratory – Wastewater Treatment Plant, village of Vrachantsi, municipality of Dobrich, region of Dobrich**

| **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 | Wastewater | 1.1 Active reaction (pH) | БДС EN ISO 10523 |
| | | 1.2 Undissolved substances | БДС 17.1.4.04, cl. 2 |
| | | 1.3 Dissolved oxygen | БДС 17.1.4.08 |
| | | 1.4 COD (bichromate oxidation) | IVLM-1-WW:2006 |
| | | 1.5 Nitrogen (total) | IVLM–2-WW:2006 |
| | | 1.6 Phosphorus (total), phosphorus (phosphate) and phosphates | IVLM-3-WW:2005 |
| | | 1.7 Cyanides | IVLM-4-WW:2005 |
| | | 1.8 Anionic active detergents (a-surfactants) | IVLM-5-WW:2006 |
| | | 1.9 Phenols | БДС 17.1.4.13 |
| | | 1.10 Iron (total) | IVLM-6-WW:2006 |
| | | 1.11 Cadmium | IVLM-7-WW:2006 |
| | | 1.12 Manganese | IVLM-8-WW:2005 |
| | | 1.13 Copper | IVLM-9-WW:2005 |
| | | 1.14 Nickel | IVLM-10-WW:2005 |
| | | 1.15 Arsenic | IVLM-11-WW:2006 |
| | | 1.16 Lead | IVLM-12-WW:2005 |
| | | 1.17 Chromium (hexavalent), Chromium (trivalent), Chromium (total) | IVLM– 13-WW:2005 |
| | | 1.18 Zinc | IVLM-14-WW:2006 |
| | | 1.19 Biochemical oxygen demand ($BOD_n$) | БДС ISO 5815-1 |
| | | 1.20 Extractable substances | IVLM-15-WW:2006, item 1 |
| | | 1.21 Petroleum products | IVLM-15-WW:2006, item 2 |
| | | 1.22 Sulfates | IVLM-16-WW:2008 |
| | | 1.23 Nitrates, Nitrate nitrogen | IVLM-17-WW:2013 |

**To perform sampling of:**

| **Type of the scope:** *flexible* | | |
|---|---|---|
| **№** | **Product** | **Sampling methods (standard/validated method)** |
| **1** | **2** | **3** |
| 1. | Water:<br>Drinking water (1),<br>Groundwater (2),<br>Wastewater (3). | БДС ISO 5667-5, (1)<br>БДС ISO EN 19458, (1), (2)<br>БДС ISO 5667-11, cl. 5.3.2.2. (2)<br>БДС ISO 5667-10, (3) |

***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.*

**Fixed scope references:**

IVLM-1-DW:2006 Spectrophotometric method for determination of phosphates content.
IVLM-2-DW:2005 Spectrophotometric method for the determination of sulphates content.
IVLM-3-DW:2005 Spectrophotometric method for the determination of copper content.
IVLM-4-DW:2005 Spectrophotometric method for the determination of zinc content.
IVLM-5-DW:2005 Spectrophotometric method for the determination of chrome content.
IVLM-6-DW:2005 Spectrophotometric method for the determination of manganese content.
IVLM-7-DW:2005 Spectrophotometric method for the determination of cyanides content.
IVLM-8-DW:2005 Spectrophotometric method for the determination of fluorides content.
IVLM-9-DW:2006 Spectrophotometric method for the determination of aluminum content.
IVLM-10-DW:2007 Spectrophotometric method for the determination of nickel content.
IVLM-11-DW:2012 Spectrophotometric method for the determination of boron content.
IVLM-12-DW:2012 Spectrophotometric method for the determination of lead content.
IVLM-13-DW:2012 Spectrophotometric method for the determination of cadmium content.
IVLM-14-DW:2012 Spectrophotometric method for the determination of arsenic content.
IVLM-15-DW:2012 Spectrophotometric method for the determination of sodium content.
IVLM-16-DW:2020 Method for determination of magnesium in water.
IVLM-17:2024 Spectrophotometric method for the determination of ammonium content.
IVLM-18:2024 Spectrophotometric method for the determination of nitrites content.
IVLM-19:2024 Spectrophotometric method for the determination of nitrates content.
IVLM-20:2024 Spectrophotometric method for the determination of iron content.

IVLM-1-WW:2006 Spectrophotometric method for determination of COD content /dichromate oxidizability.
IVLM-2-WW:2006 Spectrophotometric method for determination of nitrogen content (total).
IVLM-3-WW:2005 Spectrophotometric method for determination of phosphorus (total), phosphorus (phosphate) and phosphates content.
IVLM-4-WW:2005 Spectrophotometric method for determination of cyanides content.
IVLM-5-WW:2006 Spectrophotometric method for determination of anionic active detergents (a-surfactants) content.
IVLM-6-WW:2006 Spectrophotometric method for determination of iron /total) content.
IVLM-7-WW:2006 Spectrophotometric method for determination of cadmium content.
IVLM-8-WW:2005 Spectrophotometric method for determination of manganese content.
IVLM-9-WW:2005 Spectrophotometric method for determination of copper content.
IVLM-10-WW:2005 Spectrophotometric method for determination of nickel content.
IVLM-11-WW:2006 Spectrophotometric method for determination of arsenic content.
IVLM-12-WW:2005 Spectrophotometric method for determination of lead content.
IVLM-13-WW:2005 Spectrophotometric method for determination of chromium content (hexavalent, trivalent and total).
IVLM-14-WW:2006 Spectrophotometric method for determination of zinc content.
IVLM-15-WW:2006 Methods for determination of extractable substances and petroleum products.
IVLM-16–WW:2008 Spectrophotometric method for determination of sulfates content.
IVLM-17–WW:2013 Spectrophotometric method for determination of nitrates / nitrate nitrogen.

**I ORDER**

To issue the certificate of accreditation reg. № 167 ЛИ/30.09.2025, valid until 30.09.2029, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the director of Water Vodosnabdyavane I Kanalizatsiya Dobrich AD, the head of the Testing laboratory, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 167 ЛИ/12.07.2024, valid until 30.09.2025 and an enclosure, EA BAS order reg. № A 277/12.07.2024, as an integral part of it.

This order shall be notified to the Vodosnabdyavane I Kanalizatsiya Dobrich AD, within 3 (three) days from its issuance.

**Eng. Mariya Ilieva-Yordanova**

*Executive Director*
*of Executive agency Bulgarian accreditation service*

