**ORDER**

**№ A 186**

**Sofia, 11.06.2025**

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with an assessment report reg. № 319/58 ЛИ/15/В/29.05.2025 and statement of EA·BAS order reg. № A 185/11.06.2025, I hereby

**AMEND**

EA BAS order reg. № A 160/05.05.2025

of:

**V I K PLEVEN EOOD,**
**TESTING LABORATORY**

**Management address:**
5800 Pleven, 25 San Stefano Str.
**Laboratory address:**
5848 Bozhuritsa – POSV, Dolna Mitropoliya Municipality, Pleven Region

**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 |
| | | **Drinking water Direction** | |
| 1. | Household drinking water (1)<br><br>Underground water (2) | 1. **Sensory Tests** | |
| | | 1.1. Color | БДС 8451- cl. 2.1b (1) |
| | | 1.2. Taste | БДС 8451 (1) |
| | | 1.3. Smell | БДС 8451, cl. 4.3.1 (1) |
| | | 2. **Physical-chemical Tests** | |
| | | 2.1. Active reaction | БДС 3424, cl. 1 (1)<br>БДС 17.1.4.27, cl. 1 (2) |
| | | 2.2. Ammonium ion | VILM-1/2011 (1, 2) |
| | | 2.3 Nitrites | VILM-2/2011 (1, 2) |
| | | 2.4 Manganese | VILM-3/2011 (1, 2) |
| | | 2.5 Electric conductivity | БДС EN 27888 (1, 2) |
| | | 2.6 Permanganate ability to oxidize index | БДС EN ISO 8467 (1, 2) |
| | | 2.7 Chlorides | БДС 3414 (1)<br>БДС 17.1.4.24, cl. 1 (2) |
| | | 2.8 Calcium | БДС ISO 6058 (1, 2) |
| | | 2.9 Magnesium | VILM-22/2021 (1, 2) |

| **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 |
| | | 2.10 Sum of calcium and magnesium | БДС ISO 6059 (1, 2) |
| | | 2.11 Sulphates | VILM-4/2011 (1, 2) |
| | | 2.12 Phosphates | VILM-5/2011 (1, 2) |
| | | 2.13 Chromium | VILM-6/2011 (1, 2) |
| | | 2.14 Iron | VILM-7/2011 (1, 2) |
| | | 2.15 Zinc | VILM-8/2011 (1, 2) |
| | | 2.16 Copper | VILM-9/2011 (1, 2) |
| | | 2.17 Fluorides | VILM-10/2011 (1, 2) |
| | | 2.18 Nitrates | VILM-11/2011 (1, 2) |
| | | 2.19 Aluminum | VILM-12/2015 (1, 2) |
| | | 2.20 Boron | VILM-13/2015 (1, 2) |
| | | 2.21 Cyanides | VILM-14/2015 (1, 2) |
| | | 2.22 Residual chlorine | БДС 3560, cl. 4 (1) |
| | | **3. Microbiological Tests** | |
| | | 3.1 Coli forms | БДС EN ISO 9308-1/A1 (1) |
| | | 3.2 Escherichia coli | БДС EN ISO 9308-1/A1 (1) |
| | | 3.3 Enterococci | БДС EN ISO 7899-2 (1) |
| | | 3.4 Number of colonies (microbial count) at 22° C and 37° C | БДС EN ISO 6222 (1) |
| **Waste water Direction** | | | |
| 2. | Wastewater | **1. Physical-chemical Tests** | |
| | | 1.1 Active reaction pH | БДС 17.1.4.27 cl. 1 |
| | | 1.2 Content of indissoluble substances | БДС 17.1.4.04, cl. 2 |
| | | 1.3 Content of total nitrogen | VILM-1-WW/ 2011 |
| | | 1.4 Content of total phosphorus and phosphates | VILM-6.1-WW/2011<br>VILM-6.2-WW/2011 |
| | | 1.5 Temperature | БДС 17.1.4.01, cl. 4 |
| | | 1.6 Content of cadmium | VILM-7-WW/2011 |
| | | 1.7 Content of lead | VILM-8-WW/2011 |
| | | 1.8 Content of chrome | VILM-9-WW/2011 |
| | | 1.9 Content of nickel | VILM-10-WW/2011 |
| | | 1.10 Content of zinc | VILM-11-WW/2011 |
| | | 1.11 Content of cyanides | VILM-12-WW/2011 |
| | | 1.12 Content of phenols | VILM-13-WW/2011 |
| | | 1.13 Content of iron | VILM-14-WW/2011 |
| | | 1.14 Determination of the chemical oxygen demand (ability to oxidize) | БДС ISO 15705 |
| | | 1.15 Content of detergents | VILM-15-WW/2011 |
| | | 1.16 Content of copper | VILM-16-WW/2011 |
| | | 1.17 Content of nitrites | VILM-17-WW/2011 |
| | | 1.18 Content of nitrates | VILM-18-WW/2011 |
| | | 1.19 Content of ammonium | VILM-19-WW/2011 |
| | | 1.20 Biochemically dissolved oxygen for five days and nights $BOD_5$ | VILM-2-WW/2011 |
| | | 1.21 Extractable substances | VILM-3-WW/2011 |
| | | 1.22 Content of manganese | VILM-20-WW/2015 |
| | | 1.23 Content of sulphates | VILM-21-WW/2015 |

**To perform sampling of:**

| **Type of the scope:** *flexible* | | |
|---|---|---|
| **№** | **Products** | **Methods of Testing (Standardized/Validated)** |
| 1 | 2 | 3 |
| 1. | Drinking water | БДС ISO 5667-5<br>БДС EN ISO 19458 |
| 2. | Underground water | БДС ISO 5667-11 |
| 3. | Wastewater | БДС ISO 5667-10 |

**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 the laboratory.*

**Fixed scope references:**

VILM-1: 2011 Determination of ammonium ion content
VILM-2: 2011 Determination of nitrites content
VILM-3: 2011 Determination of manganese content
VILM-4: 2011 Determination of sulphates content
VILM-5: 2011 Determination of phosphates content
VILM-6: 2011 Determination of chromium content
VILM-7: 2011 Determination of iron content
VILM-8: 2011 Determination of zinc content
VILM-9: 2011 Determination of copper content
VILM-10: 2011 Determination of fluorides content
VILM-11: 2011 Determination of nitrates content
VILM-12: 2015 Determination of aluminium content
VILM-13: 2015 Determination of boron content
VILM-14: 2015 Determination of cyanides content
VILM-22: 2021 Determination of magnesium in water
VILM-1-WW: 2011 Determination of total nitrogen content
VILM-2-WW: 2011 Determination of the biochemical oxygen demand for five days and nights ($BOD_5$)
VILM-3-WW: 2011 Determination of extractable substances content
VILM-6.1-WW: 2011 Determination of total phosphorus content
VILM-6.2-WW: 2011 Determination of phosphates content
VILM-7-WW: 2011 Determination of cadmium content
VILM-8-WW: 2011 Determination of lead content
VILM-9-WW: 2011 Determination of chromium content
VILM-10-WW: 2011 Determination of nickel content
VILM-11-WW: 2011 Determination of zinc content
VILM-12-WW: 2011 Determination of cyanides content
VILM-13-WW: 2011 Determination of phenols content
VILM-14-WW: 2011 Determination of iron content
VILM-15-WW: 2011 Determination of detergents content
VILM-16-WW: 2011 Determination of copper content
VILM-17-WW: 2011 Determination of nitrites content
VILM-18-WW: 2011 Determination of nitrates content
VILM-19-WW: 2011 Determination of ammonium content
VILM-20-WW: 2015 Determination of manganese content
VILM-21-WW: 2015 Determination of sulphates content

**I ORDER**

To issue the certificate of accreditation reg. № 58 ЛИ/11.06.2025, valid until 26.04.2028, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of the V i K Pleven EOOD, the head of the Testing Laboratory at V i K Pleven EOOD, 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 № 58 ЛИ/05.05.2025, valid until 26.04.2028 and an enclosure, EA BAS order reg. № A 160/05.05.2025 as an integral part of it.

This order shall be notified to the Testing Laboratory at V i K Pleven EOOD, within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

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