EXECUTIVE AGENCY
BULGARIAN ACCREDITATION SERVICE

CERTIFICATE OF ACCREDITATION

BAS reg. №: 215 ЛИ

From: 19.01.2024
Valid until: 14.07.2025

WATER SUPPLY AND SEWERAGE COMPANY YOVKOVTSI LTD.
VELIKO TARNOVO

TESTING WATER LABORATORY

Management address: 5000 Veliko Tarnovo, 30 P. K. Yavorov Str.

Laboratory addresses:
Drinking Water Sector: 5000 Veliko Tarnovo, PSPV, Yovkovtsi
Wastewater Sector: 5000 Veliko Tarnovo, PSOV

UIC: 104055066

Scope of accreditation

To perform testing of:
Drinking Water Sector: drinking water, groundwater, surface water.
Wastewater Sector: waste water, surface water.

To perform sampling of:
Drinking Water Sector: drinking water, groundwater, surface water.
Wastewater Sector: waste water, surface water.

ACCREDITED ACCORDING TO БДС EN ISO/IEC 17025:2018

Order № А 27/19.01.2024 is an integral part of the certificate of accreditation, total 5 pages.

Date of initial accreditation: 24.02.2009
Date of re-accreditation: 14.07.2021

Executive Director:

Eng. Irena Borislavova

EA BAS
BG 2024038

1797 Sofia, "Dr. GM Dimitrov "№ 52 A, 7th floor
Tel.: ++359 2 9766401, Fax: ++359 2 9766415
e-mail: office@nab-bas.bg
http://www.nab-bas.bg

REPUBLIC OF BULGARIA
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 27
Sofia, 19.01.2024

Pursuant to art. 10, para. 1, item 2a of the Low on National Accreditation of Conformity Assessment Bodies and item 5.3.1 in connection with amendment of an element of the certificate content, according to item 4.3.8 f) of the Accreditation Procedure BAS QR 2, an open procedure reg. № 88/215 ЛИ/РО/25.04.2023, assesment report reg. № 88/215 ЛИ/РО/7/В/16.10.2023, and BAS EA order reg. № 26/19.01.24, I hereby

AMEND
EA BAS order reg. № A 67/25.01.2022

of Water Supply and Sewerage Company Yovkovtsi Ltd.
Veliko Tarnovo
Testing Water laboratory
Management address: 5000 Veliko Tarnovo, 30 P. K. Yavorov Str.
Laboratory addresses:
Drinking Water Sector: 5000 Veliko Tarnovo, PSPV, Yovkovtsi
Wastewater Sector: 5000 Veliko Tarnovo, PSOV

DRINKING WATER SECTOR
To perform testing of:

Type of the scope: *fixed*			
№	**Tested products**	**Type of test**	**Test method (standard/validated metod)**
1	**2**	**3**	**4**
1.	Drinking water (a) Groundwater (b) Surface water (c)	1.1 Active reaction	БДС 3424: 1981 cl. 1 (a) БДС 17.1.4.27:1980 cl. 1(b,c)
		1.2 Aluminium	VILM DW–1.2 -2007 (a,b)
		1.3 Ammonium-ion	VILM DW–1.3 - 2007 (a, b,c)
		1.4 Electrical conductivity	БДС EN 27888:2002 (a, b, c)
		1.5 Iron - Total	VILM DW–1.5 - 2007 (a, b, c)
		1.6 Manganese	VILM DW–1.6 - 2007 (a, b, c)
		1.7 Temperature	БДС DW-1.32.2020 (c)
		1.8 Turbidity	БДС EN ISO 7027 -1:2016 cl. 5.3 (a, b)
		1.9 Total hardness	БДС 3775:1987 (a) VILM DW-1.31-2020 (b)
		1.10 Sum of calcium and magnesium content	БДС ISO 6059:2002 (a, b)
		1.11 Calcium	БДС ISO 6058:2002 (a, b)
		1.12 Magnesium	VILM DW–1.28-2020 (a, b)
		1.13 Permanganate oxidisability	БДС 3413: 1977 (a) VILM DW-1.30-2020 (b)
		1.14 Sulfates	VILM DW–1.16-2007 (a, b, c)
		1.15 Phosphates	VILM DW–1.17-2007 (a, b, c)
		1.16 Chlorides	БДС 3414:1980 (a)

52 A "Dr. G. M. Dimitrov" Blvd. 1797 Sofia Bulgaria
phone: +359 9766 401; fax: (+3592) 9766 415
e-mail: office@nab-bas.bg

Type of the scope: *fixed*			
№	**Tested products**	**Type of test**	**Test method (standard/validated metod)**
1	**2**	**3**	**4**
			VILM DW–1.29-2020 (b, c)
		1.17 Nitrates	VILM DW–1.19-2007 (a, b, c)
		1.18 Nitrites	VILM DW–1.20-2007 (a, b)
		1.19 Residual free chlorine	VILM DW–1.21-2007 (a)
		1.20 Fluorides	VILM DW–1.22-2007 (a, b, c)
		1.21 Cyanides – total	VILM DW–1.23-2007 (a, b, c)
		1.22 Copper	VILM DW–1.24-2007 (a, b, c)
		1.23 Chromium – total	VILM DW–1.25-2007 (a, b, c)
		1.24 Zinc	VILM DW–1.26-2007 (a, b, c)
		1.25 Boron	VILM DW–1.27-2007 (a, b, c)
		1.26 Colony count (bacteria count) at 37°C Colony count (microbial count) at 22°C	БДС EN ISO 6222:2002 (a, b) БДС EN ISO 6222:2002 (a, b)
		1.27 Escherichia coli	БДС EN ISO 9308-1:2014/A1: 2017 (a,b)
		1.28 Coliforms	БДС EN ISO 9308-1:2014/A1: 2017 (a,b)
		1.29 Intestinal enterococci	БДС EN ISO 7899-2:2003 (a,b,c)
		1.30 Sulphite -reducing anaerobes (Clostridia)	БДС EN 26461 -2:2004 (a)
		1.31 Salmonella	ISO 19250:2010 (c)
		1.32 Clostridium perfringens	БДС EN ISO 14189:2016 (a)

To perform sampling of:

Type of scope: *fixed*		
№	**Product**	**Sampling methods (standard/validated method)**
1	**2**	**3**
1.	Drinking water	ISO 5667-5:2006, БДС EN ISO 19458:2006, cl. 1, cl. 2, cl. 3, cl. 4.1., cl. 4.2., cl. 4.4.1., cl. 4.4.2, cl. 4.4.4.2, cl. 4.5., cl. 5
2.	Groundwater	БДС ISO 5667-11:2011, cl. 3.9, cl. 3.16, cl. 3.17, cl. 5.3.2.2, cl. 6.1.1, БДС EN ISO 19458: 2006, cl. 1, cl. 2, cl. 3, cl. 4.1., cl. 4.2., cl. 4.4.1, cl. 4.4.2, cl. 4.4.4.2, cl. 4.5.,
3.	Surface water	БДС ISO 5667-4:2016 БДС EN ISO 19458: 2006, cl. 1, cl. 2, cl. 3, cl. 4.1., cl. 4.2., cl. 4.4.1, cl. 4.4.2, cl. 4.4.4.2, cl. 4.5., cl. 5

WASTEWATER SECTOR

To perform testing of:

Type of scope: *fixed*			
№	**Tested products**	**Type of test**	**Test method (standard/validated metod)**
1	**2**	**3**	**4**
2.	Wastewater (a) Surface water (b)	2.1 Temperature	БДС 17.1.4.01:1977 cl.4 (a)
		2.2 Active reaction	БДС 17.1.4.27:1980 cl.1 (a)
		2.3 Suspended solids	БДС 17.1.4.04:1980 cl. 2 (a, b)
		2.4 Dissolved solids	БДС 17.1.4.04:1980 cl.3 (a)
		2.5 Chemical oxygen demand	БДС 17.1.4.02:1977 (a, b)

Type of scope: *fixed*			
№	Tested products	Type of test	Test method (standard/validated metod)
1	2	3	4
		(COD)	
		2.6 Biochemical oxygen demand $_5$ (BOD)	БДС EN ISO 5815-1:2019 (a, b) БДС EN 1899-2:2004 (a, b)
		2.7 Total phosphorus	VILM-WW-1.8-2007(a)
		2.8 Total nitrogen	VILM-WW -1.9-2007 (a)
		2.9 Chromium (total, (hexavalent, trivalent)	VILM-WW -1.10-2007 (a)
		2.10 Sulfates	VILM-WW -1.12-2007 (a)
		2.11 Phenols	VILM-WW -1.13-2007 (a, b)
		2.12 Cyanides/ total, free/	VILM-WW -1.14-2007 (a)
		2.13 Suspended solids	БДС EN 872:2006 (a, b)

To perform sampling of:

Type of scope: *fixed*		
№	Product	Sampling methods (standard/validated method)
1	2	3
1	Wastewater	БДС ISO 5667-10:2020
2.	Surface water	БДС ISO 5667-4:2016

References:

DRINKING WATER SECTOR		
1.	VILM-DW-1.2-2007	Photometric method for determining the aluminium content
2.	VILM-DW-1.3-2007	Photometric method for determining the ammonium content
3.	VILM-DW-1.5-2007	Photometric method for determining the total iron content
4.	VILM-DW-1.6-2007	Photometric method for determining the manganese content
5.	VILM-DW-1.16-2007	Photometric method for determining the sulfates content
6.	VILM-DW-1.17-2007	Photometric method for determining the phosphates content
7.	VILM-DW-1.19-2007	Photometric method for determining the nitrates content
8.	VILM-DW-1.20-2007	Photometric method for determining the nitrites content
9.	VILM-DW-1.21-2007	Photometric method for determining the residual free chlorine content
10.	VILM-DW-1.22-2007	Photometric method for determining the fluorides content
11.	VILM-DW-1.23-2007	Photometric method for determining the total cyanides content
12.	VILM-DW-1.24-2007	Photometric method for determining the copper content
13.	VILM-DW-1.25-2007	Photometric method for determining the total chromium content
14.	VILM-DW-1.26-2007	Photometric method for determining the zinc content
15.	VILM-DW-1.27-2007	Photometric method for determining the boron content
16.	VILM-DW-1.28-2020	determination of magnesium content
17.	VILM-DW-1.29-2020	Determination of chlorides
18.	VILM-DW-1.30-2020	Determination of permanganate oxidizability
19.	VILM-DW-1.31-2020	Determination of total hardness
20.	VILM-DW-1.32-2020	Temperature measurement
WASTEWATER SECTOR		
21.	VILM-WW-1.8-2007	Photometric method for determining the total phosphorus content
22.	VILM-WW-1.9-2007	Photometric method for determining the total nitrogen content
23.	VILM-WW-1.10-2007	Photometric method for determining the chromium content, total hexavalent, trivalent
24.	VILM-WW-1.12-2007	Photometric method for determining the sulfates content
25.	VILM-WW-1.13-2007	Photometric method for determining the phenols content
26.	VILM-WW-1.14-2007	Photometric method for determining the cyanides content (total, free)

I ORDER

To issue the certificate of accreditation reg. № 215 ЛИ/19.01.2024 to be issued, valid until 14.07.2025, and this order enclosed as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the manager of Water Supply and Sewerage Company Yovkovtsi Ltd – Veliko Tarnovo, the head of the Testing Water Laboratory at Water Supply and Sewerage Company Yovkovtsi Ltd – Veliko Tarnovo, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of certificate of accreditation reg. № 215 ЛИ/25.01.2022, valid until 14.07.2025 and its enclosure, EA BAS order reg. № А 67/25.01.2022.

This order shall be notified to Water Supply and Sewerage Company Yovkovtsi Ltd – Veliko Tarnovo within 3(three) from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS