



EXECUTIVE AGENCY
BULGARIAN ACCREDITATION SERVICE

CERTIFICATE OF ACCREDITATION

BAS reg. №: 215 ЛИ

From: 25.01.2022

Valid until: 14.07.2025

**WATER SUPPLY AND SEWERAGE COMPANY YOVKOVTSI LTD
WATER TEST LABORATORY**

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

Laboratory addresses:

Drinking Water Sector: Yovkovtsi Water treatment station, Veliko Tarnovo Municipality.

Wastewater Sector: Wastewater treatment plant, Veliko Tarnovo Municipality.

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 No. A 67/25.01.2022 is an integral part of the Certificate of Accreditation, total 4 pages

Date of initial accreditation: 24.02.2009

Re-accreditation date: 14.07.2021

Executive director:

Eng. Irena Borislavova

EA BAS

BG 2022059



ORDER
№ A 67
Sofia, 25.01.2022

Pursuant to art. 10, para. 1, item 2a, and art. 32, para. 2 of the Law on National Accreditation of Conformity Assessment Bodies, item 7(1) and item 5.3.1 in connection with amendment in an element of the content of the certificate according to item 4.3.8 f) of Accreditation Procedure BAS QR 2 in connection with an open procedure reg. № 88/215 ЛИ/РО/05.10.2021, assessment report reg. № 88/215 ЛИ/РО/3/В/25.10.2021, and BAS EA order reg. № 66/25.01.22, I hereby

AMEND
The Order of BAS EA № A 397/14.07.2021

**OF WATER SUPPLY AND SEWERAGE COMPANY - YOVKOVTSI LTD, VELIKO TARNOVO
WATER TESTING LABORATORY**

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

Laboratory address:

Drinking Water Sector: Yovkovtsi Water treatment station, Veliko Tarnovo Municipality.

Wastewater Sector: Wastewater treatment plant, Veliko Tarnovo Municipality

DRINKING WATER SECTOR

To perform testing of:

Type of scope: *fixed*

No	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 item 1 (a) БДС 17.1.4.27:1980 paragraph 1(b,c)
		1.2 Aluminium	VILM Priority Substances (PS) – 1.2 -2007 (a,b)
		1.3 Ammonium-ion	VILM Priority Substances (PS) – 1.3 - 2007 (a, b,c)
		1.4 Electrical conductivity	БДС EN 27888:2002 (a, b, c)
		1.5 Iron - Total	VILM PS – 1.5 - 2007 (a, b, c)
		1.6 Manganese	VILM PS – 1.6 - 2007 (a, b, c)
		1.7 Temperature	БДС PS- 1.32.2020 (c)
		1.8 Turbidity	БДС EN ISO 7027 -1:2016 paragraph 5.3 (a, b)
		1.9 Total hardness	БДС 3775:1987 (a) VILM PS-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 PS – 1.28-2020 (a, b)

	1.13 Permanganate oxidisability	БДС 3413: 1977 (a) VILM PS-1.30-2020 (b)
	1.14 Sulfates	VILM PS – 1.16 - 2007 (a, b, c)
	1.15 Phosphates	VILM PS – 1.17 - 2007 (a, b, c)
	1.16 Chlorides	БДС 3414:1980 (a) VILM PS – 1.29 - 2020 (b, c)
	1.17 Nitrates	VILM PS – 1.19 -2007 (a, b, c)
	1.18 Nitrites	VILM PS – 1.20 -2007 (a, b)
	1.19 Residual free chlorine	VILM PS – 1.21 - 2007 (a)
	1.20 Fluorides	VILM PS – 1.22 -2007 (a, b, c)
	1.21 Cyanides – total	VILM PS – 1.23 - 2007 (a, b, c)
	1.22 Copper	VILM PS – 1.24 - 2007 (a, b, c)
	1.23 Chromium – total	VILM PS – 1.25 - 2007 (a, b, c)
	1.24 Zinc	VILM PS – 1.26 - 2007 (a, b, c)
	1.25 Boron	VILM PS – 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)

To perform sampling of:

Type of scope: <i>fixed</i>		
№	Product	Sampling methods (standard/validated method)
1	2	3
1	Drinking water	ISO 5667-5:2006
2	Groundwater	БДС ISO 5667-11:2011, paragraphs 3.9, 3.16, 3.17, 5.3.2.2, 6.1.1
3	Surface water	БДС ISO 5667- 4:2016

WASTEWATER SECTOR

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

- VILM - DW - 1.2 -2007 Photometric method for determining the aluminium content
 VILM - DW - 1.3- 2007 Photometric method for determining the ammonium content
 VILM - DW - 1.5 – 2007 Photometric method for determining the total iron content
 VILM - DW - 1.6- 2007 Photometric method for determining the manganese content
 VILM - DW - 1.16 – 2007 Photometric method for determining the sulfates content
 VILM - DW - 1.17 – 2007 Photometric method for determining the phosphates content
 VILM - DW - 1.19 – 2007 Photometric method for determining the nitrates content
 VILM - DW - 1.20 – 2007 Photometric method for determining the nitrites content
 VILM - DW - 1.21- 2007 Photometric method for determining the residual free chlorine content
 VILM - DW - 1.22 – 2007 Photometric method for determining the fluorides content
 VILM - DW - 1.23 – 2007 Photometric method for determining the total cyanides content
 VILM - DW - 1.24 – 2007 Photometric method for determining the copper content
 VILM - DW - 1.25 – 2007 Photometric method for determining the total chromium content
 VILM - DW - 1.26 – 2007 Photometric method for determining the zinc content
 VILM - DW - 1.27 – 2007 Photometric method for determining the boron content
 VILM - DW - 1.28 -2020 determination of magnesium content
 VILM - DW - 1.32 -2020 Temperature measurement
 VILM - WW - 1.8 – 2007 Photometric method for determining the total phosphorus content
 VILM - WW - 1.9 – 2007 Photometric method for determining the total nitrogen content
 VILM - WW - 1.10 – 2007 Photometric method for determining the chromium content, total hexavaient, trivalent
 VILM - WW - 1.12 -2007 Photometric method for determining the sulfates content
 VILM - WW - 1.13 -2007 Photometric method for determining the phenols content
 VILM - WW - 1.14 -2007 Photometric method for determining the cyanides content (total, free)
 VILM - DW - 1.29 -2020 Determination of chlorides
 VILM - DW - 1.30 -2020 Determination of permanganate oxidizability
 VILM - DW - 1.31 -2020 Determination of total hardness

I ORDER

To issue the Certificate of accreditation reg. № 215 ЛИ/25.01.2022 to be issued, valid until 14.07.2025, Water Testing Laboratory at Water Supply and Sewerage Company Yovkovtsi Ltd – Veliko Tarnovo, 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 Water Testing Laboratory or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of Certificate of accreditation reg. № 215 ЛИ/14.07.2021 valid until 14.07.2025 and the enclosure EA BAS order for accreditation № A 397/14.07.2021 as an integral part of it.

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

