ORDER

№ A 412

Sofia, 23.12.2025

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, para. 1, 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. № 487/151 ЛИ/ПА/РО/04.04.2025, assessment reports reg. № 487/151 ЛИ/4/В/27.10.2025, reg. № 487/151 ЛИ/7/В/16.12.2025 and statement of the Accreditation Commission reg. № 487/151 ЛИ/ПА/РО/11/В/19.12.2025, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

VODOSNABDYAVANE I KANALIZATSIYA EOOD - SMOLYAN
CENTRAL LABORATORY FOR WATER TESTING

Management address: 4700, Smolyan, 2 Petko Rachev Slaveykov Str, P.O. Box 119

Laboratory address:
Office 1, Drinking Water: 4700, Smolyan, 2 Petko Rachev Slaveykov Str, P.O. Box 119
Office 2, Wastewater: 4724, Vlahovo, Smolyan Region, Klokotnik Locality, GPSOV (Waste Water Treatment Plant) Smolyan

Office 1, Drinking Water: 4700, Smolyan, 2 Petko Rachev Slaveykov Str. P.O. Box 119

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.	Water Drinking water (1); Underground water (2)	Physicochemical testing	
		1.1. Active reaction (PH)	БДС EN ISO 10523
		1.2. Ammonium ions	ILM 016-DW/2025 (1,2)
		1.3. Nitrites	БДС EN 26777, ILM 001-DW/2019
		1.4. Nitrates	ILM 002-DW/2019
		1.5. Electrical conductivity	БДС EN 27888
		1.6. General hardness	БДС ISO 6059
		1.7. Calcium	БДС ISO 6058
		1.8. Magnesium	ILM 015-DW/2021
		1.9. Iron	ILM 003-DW/2019
		1.10. Zinc	ILM 004-DW/2019
		1.11. Copper	ILM 005-DW/2019

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
		1.12. Lead	ILM 006-DW/2019
		1.13 Manganese	ILM 007-DW/2019
		1.14. Fluorides	ILM 008-DW/2019
		1.15. Chromium VI	ILM 009-DW/2019
		1.16. Free chlorine	ILM 010-DW/2019
		1.17. Cyanides	ILM 011-DW/2019
		1.18. Aluminium	ILM 012-DW/2019
		1.19. Phosphates	ILM 013-DW/2019
		1.20. Sulphates	ILM 014-DW/2019
		1.21. Chlorides	БДС 3414 (1) БДС 17.1.4.24 cl.1 (2)
		1.22. Permanganate Oxidation	БДС 3413 (1) БДС 17.1.4.16 (2)
		1.23 Turbidity of drinking water	БДС EN ISO 7027-1 (1)
		Microbiological testing	
		1.24. Number of enterococci/ faecal streptococci	БДС EN ISO 7899-2
		1.25. Number of Coliforms bacteria/ Escherichia coli	БДС EN ISO 9308-1/A1
		1.26. Number of viable microorganisms/ microbial count	БДС EN ISO 6222

To perform sampling of:

Type of the scope: *Flexible**		
№	**Product**	**Sampling methods (standard / validated method)**
1	2	3
1.	Drinking water	БДС ISO 5667-5, БДС EN ISO 19458

Office 2, Wastewater: 4724, Vlahovo, Smolyan Region, Klokotnik Locality, GPSOV (Waste Water Treatment Plant) Smolyan

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
2.	Wastewater	Physicochemical testing	
		2.1. Active reaction (pH)	БДС 17.1.4.27, cl.1
		2.2 Chemical oxygen demand (COD)	ILM 001-WW/2019
		2.3. Dissolved oxygen	БДС EN 25813
		2.4 Biochemical oxygen demand BOD_5	ILM 007-WW/2025
		2.5. Zinc	ILM 002-WW/2019
		2.6. Lead	ILM 003-WW/2019
		2.7. Total phosphorus	ILM 004-WW/2019
		2.8. Total nitrogen	ILM 005-WW/2019
		2.9. Suspended substances	БДС EN 872
		2.10. Nickel	ILM 006-WW/2019

To perform sampling of:

Type of the scope: *Flexible* *		
№	**Product**	**Sampling methods (standard / validated method)**
1	2	3
1.	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 laboratory.*

Fixed scope references:

1.	ILM 001-DW/2019	Water quality. Hash LCK 341 Spectrophotometric method for determination of nitrites in water using diazotization.
2.	ILM 002-DW/2019	Water quality. LCK 339 Hash Spectrophotometric method for determination of nitrates in water using 2,6-dimethylphenol
3.	ILM 003-DW/2019	Water quality. Hash 8008 Spectrophotometric method for the determination of iron in water.
4.	ILM 004-DW/2019	Water quality. Hach LCK 360 Spectrophotometric method for the determination of zinc in water using 4- (2-pyridylazo) -resorcinol.
5.	ILM 005-DW/2019	Water quality. Hach 8506 Spectrophotometric Method for the determination of copper in water using Cu Ver®1 powder reagent.
6.	ILM 006-DW/2019	Water quality. Hach 8317 Spectrophotometric method for the determination of lead in water by rapid column extraction.
7.	ILM 007-DW/2019	Water quality. Hach 8149 Spectrophotometric method for the determination of manganese in water.
8.	ILM 008-DW/2019	Water quality. Hach LCK 323 Spectrophotometric method for the determination of fluoride
9.	ILM 009-DW/2019	Water quality. Hach 8023 Spectrophotometric method for the determination of chromium in water using Croma Ver® powder reagent
10.	ILM 010-DW/2019	Water quality. Hach 8021 Spectrophotometric method for the determination of free and total chlorine in water using DPD.
11.	ILM 011-DW/2019	Water quality. Hach 8027 Spectrophotometric method for the determination of cyanides in water using pyridine-pyrazolone.
12.	ILM 012-DW/2019	Water quality. Hach 8012 Spectrophotometric method for the determination of aluminium in water
13.	ILM 013-DW/2019	Water quality. Hach 8048 Spectrophotometric method for the determination of phosphates in water.
14.	ILM 014-DW/2019	Water quality. Hach LCK 353 Spectrophotometric method for the determination of sulphates in water
15.	ILM 015-DW/2021	Water quality. Determination of magnesium content. Titrimetric method with EDTA.
16.	ILM 016-DW/2025	Water quality. Hach LCK 8155 Spectrophotometric method for the determination of ammonium ions in waters.
17.	ILM 001-WW/2019	Water quality. LCI 400 spectrophotometric method for the determination of COD in wastewater.
18.	ILM 002-WW/2019	Water quality. Hach LCK 360 Spectrophotometric method for the determination of zinc in wastewater with 4- (2-pyridylazo) - resorcinol (PAR) at pH 6-11.
19.	ILM 003-WW/2019	Water quality. Hach 8317 Spectrophotometric method for the determination of lead in wastewater by rapid column extraction
20.	ILM 004-WW/2019	Water quality. Hach LCK 348 Spectrophotometric method for the determination of phosphates and total phosphorus in waste water with phosphomolybdenum blue

21.	ILM 005-WW/2019	Water quality. Hach LCK 138 Spectrophotometric method for the determination of total nitrogen in wastewater with 2,6-dimethylphenol
22.	ILM 006-WW/2019	Water quality. Hach LCK 537 Spectrophotometric method for the determination of nickel in wastewater with dimethylglyoxime
23.	ILM 007-WW/2025	Water quality. Hach LCK 555 Spectrophotometric method for the determination of Biochemical oxygen demand BOD_5 in wastewater

I ORDER

To issue the certificate of accreditation reg. № 151 ЛИ/23.12.2025, valid until 22.12.2029, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of Vodosnabdyavane I Kanalizatsiya EOOD - Smolyan, the head of Central Laboratory for Water Testing at Vodosnabdyavane I Kanalizatsiya EOOD - Smolyan, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the Central Laboratory for Water Testing at Vodosnabdyavane I Kanalizatsiya EOOD - Smolyan, is obliged to return to EA BAS the originals of accreditation certificate № 151 ЛИ/22.12.2021, valid until 22.12.2025 and its enclosure, EA BAS order reg. № А 826/22.12.2021.

This order shall be notified to the Central Laboratory for Water Testing at Vodosnabdyavane I Kanalizatsiya EOOD - Smolyan, within 3 (three) days from its issuance.

Eng. Mariya Ilieva - Yordanova

Executive Director
of Executive agency Bulgarian accreditation service