REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 155

Sofia, 02.05.2025

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with amendment of an element of the certificate content, according to item 4.3.8. of the BAS QR 2 Accreditation Procedure and EA BAS order reg. № A 154/02.05.2025, I hereby

AMEND

EA BAS order reg. № A 512/15.08.2022, to accreditation certificate reg.№ 69 ЛИ/15.08.2022, valid until 15.08.2026 as follows:

VODOSNABDYAVANE I KANALIZATSIYA OOD, PERNIK
TESTING LABORATORY COMPLEX

Management address: 2300 Pernik, 11, Sredets Str.
Laboratory addresses: Office 1 Pernik: 2308 Pernik, PSPV-Pernik
Office 2 Batanovtsi: 2340 Batanovtsi, GPSOV

Office 1 PSPV-Pernik:
To perform testing of:

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.	Potable Water (1) Surface Water (2) Underground Water (3)	1.1 Color	БДС 8451, clause 2 (1)
		1.2 Smell	БДС 8451, cl. 4 (1)
		1.3 Taste	БДС 8451, cl. 3 (1)
		1.4 Temperature	БДС 8451, cl. 5 (1)
		1.5 Specific Electrical Conductivity	БДС EN 27888 (1,2,3)
		1.6 Total Hardness	БДС ISO 6059 (1,2,3)
		1.7 Active Reaction	БДС 3424, cl. 1 (1) БДС 17.1.4.27, cl. 1 (2,3)
		1.8 Permanganate Oxidation	БДС 3413 (1) БДС 17.1.4.16 (2,3)
		1.9 Ammonium Ion	БДС 3587, Method 2 (1) БДС 17.1.4.10, Method 2 (2,3) VLM (Validated Laboratory Method) 001: 2012 (1,2,3)
		1.10 Nitrites	БДС EN 26777 (1, 3) VLM 003: 2012 (1, 3)
		1.11 Nitrates	БДС ISO 7890-3 (1,2,3) VLM 005: 2012 (1,2,3)

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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
		1.12 Chlorides	БДС 3414 (1) БДС 17.1.4.24, cl. 1 (2,3) VLM 007:2012 (1,2,3)
		1.13 Sulphates	VLM 008: 2012 (1,2,3)
		1.14 Phosphates	БДС EN ISO 6878, cl. 4 (1,2,3) VLM 034:2012 (1,2,3)
		1.15 Magnesium	VLM 038:2022 (1,3)
		1.16 Calcium	БДС ISO 6058 (1,3)
		1.17 Iron	БДС ISO 6332 (1,2,3)
		1.18 Zink	VLM 009:2012 (1,2,3)
		1.19 Copper	VLM 011:2012 (1,2,3)
		1.20 Lead	VLM 013:2012 (1,2,3)
		1.21 Manganese	БДС ISO 6333 (1,2,3)
		1.22 Fluorides	VLM 026:2012 (1,2,3)
		1.23 Cadmium	VLM 017:2012 (1,2,3)
		1.24 Chrome, Total	VLM 019:2012 (1,2,3)
		1.25 Free and Total Chlorine	VLM 015:2012 (1) VLM 016:2012 (1)
		1.26 Nickel	VLM 022:2012 (1,2,3)
		1.27 Cyanides	VLM 024:2012 (1,2,3)
		1.28 Aluminum	БДС ISO 10566 (1,3)
		1.29 COD (Chemical Oxygen Demand)	VLM 027:2012 (2)
		1.30 Turbidity	БДС EN ISO 7027-1 (1,2,3)
		1.31 Dissolved Oxygen	БДС EN ISO 5814 (1,2,3)
		Microbiological characteristics:	
		1.32 Clostridium Perfringens	БДС EN ISO 14189 (1,3)
		1.33 Coliforms	БДС EN ISO 9308-1/A1 (1,3)
		1.34 Escherichia Coli	БДС EN ISO 9308-1/A1 (1,3)
		1.35 Total Colonies of Viable Microorganisms / Microbial Count	БДС EN ISO 6222 (1,3)
		1.36 Faecal Streptococci	БДС EN ISO 7899-2 (2)
		1.37 Enterococci	БДС EN ISO 7899-2 (1,3)
		1.38 Salmonella	БДС EN ISO 19250 (2)

Office 1 PSPV-Pernik:

To perform sampling of:

Type of the scope: *Flexible*		
№	**Product**	**Sampling methods (standard/validated method)**
1	2	3
1.	Potable Water	БДС ISO 5667-5 БДС EN ISO 19458
2.	Surface Water	БДС ISO 5667-4 БДС EN ISO 19458
3.	Underground Water	БДС ISO 5667-11 БДС EN ISO 19458

Office 2 Batanovtsi, GPSOV:

To perform testing of:

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	БДС 17.1.4.27, cl. 1
		1.2 Temperature	БДС 17.1.4.01, cl. 4
		1.3 COD (Chemical Oxygen Demand)	VLM 027: 2012 VLM 028: 2012 VLM 029: 2012
		1.4 BOD5 (Biochemical Oxygen Demand for 5 days)	БДС EN ISO 5815-1 БДС EN 1899-2
		1.5 Ammonium Ion	БДС 17.1.4.10, Method 2 VLM 002: 2012
		1.6 Nitrates	БДС 17.1.4.12 VLM 006: 2012
		1.7 Chlorides	БДС 17.1.4.24, cl. 1
		1.8 Nitrites	БДС EN 26777 VLM 004: 2012
		1.9 Zink	VLM 010: 2012
		1.10 Iron	БДС ISO 6332 VLM 031: 2012
		1.11 Phosphorus / Total /	БДС EN ISO 6878, cl. 7 VLM 036: 2012
		1.12 Phosphates	БДС EN ISO 6878, cl. 4 VLM 035: 2012
		1.13 Total Nitrogen	VLM 030: 2012
		1.14 Undissolved Substances	БДС 17.1.4.04, cl. 2
		1.15 Suspended Substances / Undissolved Substances	БДС EN 872
		1.16 Dissolved Oxygen	БДС EN 25813
		1.17 Cyanides	VLM 025: 2012
		1.18 Anionic Detergents / α-Synthetic Surfactants/	VLM 033: 2012
		1.19 Phenols / Volatile /	VLM 037: 2012
		1.20 Cadmium	VLM 018: 2012
		1.21 Copper	VLM 012: 2012
		1.22 Nickel	VLM 023: 2012
		1.23 Chrome, Total	VLM 020: 2012
		1.24 Sulphates	БДС 17.1.4.03
2.	Surface Water	2.1 Undissolved Substances	БДС 17.1.4.04, cl. 2
		2.2 BOD5 (Biochemical Oxygen Demand for 5 days)	БДС EN ISO 5815-1 БДС EN 1899-2
		2.3 Dissolved Oxygen	БДС EN 25813

Office 2 Batanovtsi, GPSOV:

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. VLM 001/2012 - Water quality. Spectrophotometric method for the determination of ammonium ions in water using a Nessler reagent.
2. VLM 002/2012 - Water quality. Spectrophotometric method for the determination of ammonium ions in wastewater with the formation of indophenol blue.
3. VLM 003 /2012 - Water quality. Spectrophotometric method for the determination of nitrites in water by using diazotization.
4. VLM 004/2012 - Water quality. Spectrophotometric method for the determination of nitrites in wastewater by using diazotization.
5. VLM 005/2012 - Water quality. Spectrophotometric method for the determination of nitrates in water by using 2,6-dimethylphenol.
6. VLM 006/2012 - Water quality. Spectrophotometric method for the determination of nitrates in wastewater by using 2,6-dimethylphenol.
7. VLM 007/2012 - Water quality. Spectrophotometric method for the determination of chlorides in water by using mercuric thiocyanate.
8. VLM 008/2012 - Water quality. Spectrophotometric method for the determination of sulphates in water by using a Sulfa Ver® 4 powder reagent.
9. VLM 009/2012 - Water quality. Spectrophotometric method for the determination of zinc in water by using 4- (2-pyridylazo) -resorcinol.
10. VLM 010/2012 - Water quality. Spectrophotometric method for the determination of zinc in wastewater by using 4-(2-pyridylazo) -resorcinol.
11. VLM 011/2012 /2012 - Water quality. Spectrophotometric method for the determination of copper in water by using a CuVer®1 powder reagent.
12. VLM 012/2012 - Water quality. Spectrophotometric method for the determination of copper in wastewater by using a CuVer®1 powder reagent.
13. VLM 013/2012 - Water quality. Spectrophotometric method for the determination of lead in water by using rapid column extraction.
14. VLM 015/2012 - Water quality. Spectrophotometric method for the determination of free and total chlorine in water by using DPD.
15. VLM 016/2012 - Water quality. MERCK Spectroquant® photometric method for the determination of free and total chlorine / Picco /.
16. VLM 017/2012 - Water quality. Spectrophotometric method for the determination of cadmium in water by using a DithiVer powder reagent.
17. VLM 018/2012 - Water quality. Spectrophotometric method for the determination of cadmium in wastewater by using Cadion.
18. VLM 019/2012 - Water quality. Spectrophotometric method for the determination of chromium in water by using a ChromaVer® powder reagent.
19. VLM 020/2012 - Water quality. Spectrophotometric method for the determination of chromium (VI, III-valent and total) in wastewater by using 1,5-diphenylcarbazide.
20. VLM 022/2012 - Water quality. Spectrophotometric method for the determination of nickel in water by using 1-(2-pyridylazo) -2-naphthol.
21. VLM 023/2012 - Water quality. Spectrophotometric method for the determination of nickel in wastewater by using a Heptoxime powder reagent.
22. VLM 024/2012 - Water quality. Spectrophotometric method for the determination of cyanides in water by using pyridine-pyrazolone.
23. VLM 025/2012 - Water quality. Spectrophotometric method for the determination of cyanides in wastewater by using pyridine in the presence of barbituric acid.
24. VLM 026/2012 - Water quality. Spectrophotometric method for the determination of fluoride in water by using SPADNS reagent solution.
25. VLM 027/2012 - Water quality. Spectrophotometric method in the determination of COD /Chemical Oxygen Demand/ (5-60) mg O_2/l in surface and waste water.
26. VLM 028/2012 - Water quality. Spectrophotometric method in the determination of COD (15-150) mg O_2/l in wastewater.
27. VLM 029/2012 - Water quality. Spectrophotometric method in the determination of COD (150-1000) mgO_2/l in wastewater.
28. VLM 030/2012 - Water quality. Spectrophotometric method for the determination of total nitrogen in wastewater.
29. VLM 031/2012 - Water quality. Spectrophotometric method for the determination of iron in wastewater by using 1,10-phenanthroline.

30. VLM 033/2012 - Water quality. Spectrophotometric method for the determination of anionic detergents (α-Synthetic Surfactants) in wastewater and surface water by using methylene blue.
31. VLM 034/2012 - Water quality. Spectrophotometric method for the determination of phosphates in water by using ammonium molybdate.
32. VLM 035/2012 - Water quality. Spectrophotometric method for the determination of phosphates in wastewater by using ammonium molybdate.
33. VLM 036/2012 - Water quality. Spectrophotometric method for the determination of total phosphorus in wastewater.
34. VLM 037/2012 - Water quality. Spectrophotometric method for the determination of phenols in wastewater by using 4-nitroaniline.
35. VLM 038/2022 - Water quality. Determination of magnesium content in water.

I ORDER

To issue the certificate of accreditation reg. № 69 ЛИ/02.05.2025, valid until 15.08.2026, 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 Vodosnabdyavane i Kanalizatsiya OOD, Pernik, the head of Testing laboratory complex, 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 № 69 ЛИ/15.08.2022, valid until 15.08.2026 and its enclosure – EA BAS order reg. № A 512/15.08.2022.

This order shall be notified to the Vodosnabdyavane i Kanalizatsiya OOD, Pernik within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director
of Executive agency Bulgarian accreditation service