REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 190

Sofia, 13.06.2025

On the grounds of Art. 10, para 1, item 4 Art. 30, para 1 of the Law on National Accreditation of Conformity Assessment Bodies and item 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. №. 315/194 ЛИ/РО/20.12.2024, report reg. № 315/194 ЛИ/РО/5/В/22.04.2025 and statement of the Accreditation Commission reg. № 315/194 ЛИ/РО/6/В/02.06.2025, I hereby

EXTEND THE SCOPE OF ACCREDITATION

OF

VODOSNABDYAVANE I KANALIZATSIYA EAD, BURGAS
TESTING LABORATORY

Management address: 8002, Burgas, Pobeda Residential Area, 3, Gen. Vladimir Vazov Str.
Laboratory address:8002, Burgas, Pobeda Residential Area, 3, Gen. Vladimir Vazov Str.

To perform testing of:

Type of the scope: *Flexible for a part of the scope* *			
№	**Tested products**	**Type of test/characteristics**	**Test methods (standard/validated method)**
1	2	3	4
I.	Drinking water	1.1. Active reaction (pH)	БДС 3424 БДС EN ISO 10523
		1.2. Aluminium	БДС ISO 10566 VMI 14825/2014
		1.3. Ammonium ion	БДС 3587, cl. 2 БДС ISO 7150-1 VMI 14739/2014
		1.4. Taste	БДС 8451, cl. 3
		1.5. Electrical conductivity	БДС EN 27888
		1.6. Iron	БДС ISO 6332 VMI 14761/2014
		1.7. Manganese	БДС ISO 6333
		1.8. Smell	БДС 8451, cl. 4.3.1
		1.9. Turbidity	БДС EN ISO 7027-1
		1.10. Nitrates	БДС ISO 7890 - 3
			VMI 30/2022
		1.11. Nitrites	БДС EN 26777
		1.12. Residual free chlorine / Free chlorine	БДС 3560, cl. 4 БДС EN ISO 7393 -2 VMI 00597/2014

52 A "Dr. G. M. Dimitrov" Blvd. 1797 Sofia Bulgaria
phone: +359 2 9766 401; fax: +359 2 873 53 02
e-mail: office@nab-bas.bg; web: www.nab-bas.bg

Type of the scope: *Flexible for a part of the scope **			
№	**Tested products**	**Type of test/characteristics**	**Test methods (standard/validated method)**
1	2	3	4
		1.13. Color	БДС 8451, cl. 2.1b) БДС EN ISO 7887, Method C and Method D
		1.14. Coliforms	БДС EN ISO 9308-1/A1 БДС EN ISO 9308-2
		1.15. Escherichia coli	БДС EN ISO 9308-1/A1 БДС EN ISO 9308-2
		1.16. Intestinal enterococci	БДС EN ISO 7899-2
		1.17. Clostridium perfringens (incl. spores)	БДС EN ISO 14189
		1.18. Number of colonies (microbial count) at 22°C/Number of colonies (microbial count) at 36°C	БДС EN ISO 6222
		1.19. Total hardness (Sum of calcium and magnesium)	БДС ISO 6059
		1.20. Calcium	БДС ISO 6058
		1.21. Magnesium	VMI 28/2020
		1.22. Permanganate oxidizability	БДС 3413 БДС EN ISO 8467
		1.23. Sulfates	VMI 14548/2014
			VMI 31/2022
		1.24. Phosphates	БДС EN ISO 6878, cl. 4 VMI 14848/2014
		1.25. Chlorides	БДС 3414
		1.26. Zinc	VMI 00861/2014
		1.27. Copper	VMI 14767/2014
		1.28. Fluorides	БДС 16911 VMI 14598/2014
		1.29. Chromium	VMI 14758/2014
		1.30. Cyanides	VMI 09701/2014
		1.31 Arsenic	VMI 01747/2014
		1.32 Boron	VMI 00826/2014
		1.33 Cadmium	VMI 01745/2014
		1.34 Lead	VMI 09717/2014
		1.35 Total organic carbon	VMI 14878/2014
		1.36 Antimony	VMI 22/2014
		1.37 Bromates	VMI 24/2014
		1.38. Dissolved oxygen /Oxygen saturation	БДС EN ISO 5814 ISO 17289
		1.39. Pesticides (organochlorine)**	БДС EN ISO 6468
		1.40. Trihalomethanes (total) Bromodichloromethane Bromoform Dibromochloromethane Chloroform	VMI 29/2021
		1.41. 1,2-Dichloroethane	VMI 29/2021

Type of the scope: *Flexible for a part of the scope* *			
№	**Tested products**	**Type of test/characteristics**	**Test methods (standard/validated method)**
1	2	3	4
		1.42. Tetrachloroethene and Trichloroethene	VMI 29/2021
		1.43. Dry residue /total dry residue	БДС 3546
		1.44 Elemental composition **	БДС EN ISO 17294-2
II.	Surface water	2.1. Temperature	VMI 27/2020
		2.2. Active reaction (pH)	БДС EN ISO 10523
		2.3. Electrical conductivity	БДС EN 27888
		2.4. Dissolved oxygen /Oxygen saturation	БДС EN ISO 5814 ISO 17289 БДС EN 25813
		2.5. Color	БДС EN ISO 7887, Method C, Method D
		2.6. Total suspended solids	БДС 17.1.4.04
		2.7. Total dry residue	БДС 17.1.4.04
		2.8 Ammonium ion /Ammonium nitrogen	БДС ISO 7150-1 VMI 14739/2014 VMI 14558/2014 VMI 14752/2014
		2.9. Nitrates/Nitrate Nitrogen	БДС ISO 7890 - 3 VMI 30/2022 VMI 14542/2024
		2.10. Nitrites/Nitrite Nitrogen	БДС EN 26777 VMI 14776/2014
		2.11. Phosphates/Phosphates (as P)/Phosphates (as P2O5)	БДС EN ISO 6878 cl. 4 VMI 14848/2014 VMI 14543/2014
		2.12. Total phosphorus	VMI 14543/2014
		2.13. Total nitrogen	VMI 14537/2014
		2.14. Chlorides	VMI 25/2020
		2.15. Sulfates	VMI 14548/2014
			VMI 31/2022
		2.16. Fluorides	VMI 26/2020 VMI 14598/2014
		2.17. Cyanides	VMI 09701/2014
		2.18. Total organic carbon	VMI 14878/2014
		2.19. Chemical oxygen demand (COD)	VMI 14560/2014 VMI 14540/2014
		2.20. Biochemical oxygen demand (BOD5)	БДС EN ISO 5815-1 БДС EN 1899-2
		2.21. Phenols	VMI 00856/2014
		2.22. Anionic detergents /Surfactants	VMI 02552/2015
		2.23. Extractable substances	VMI 23/2014
		2.24. Petroleum products	VMI 23/2014 БДС EN ISO 9377-2
		2.25. Iron/Dissolved iron	БДС ISO 6332
		2.26. Manganese	БДС ISO 6333

Type of the scope: *Flexible for a part of the scope* *			
№	**Tested products**	**Type of test/characteristics**	**Test methods (standard/validated method)**
1	2	3	4
		2.27. Copper	VMI 14767/2014
		2.28. Zinc	VMI 00861/2014
		2.29. Chromium - total	VMI 14758/2014
		2.30. Arsenic	VMI 01747/2014
		2.31. Lead	VMI 09717/2014
		2.32. Boron	VMI 00826/2014
		2.33. Cadmium	VMI 01745/2014
		2.34 Elemental composition**	БДС EN ISO 17294-2
		2.35. Coliforms	БДС 17336 cl. 6.2 БДС EN ISO 9308-2
		2.36. Escherichia coli	БДС 17336 cl. 6.3
			БДС EN ISO 9308-2
		2.37. Intestinal enterococci (fecal streptococci)	БДС EN ISO 7899-2
		2.38. Pesticides (organochlorine)**	БДС EN ISO 6468
III.	Wastewater	3.1. Active reaction (pH)	БДС 17.1.4.27
			БДС EN ISO 10523
		3.2. Ammonium nitrogen	VMI 14558/2014 VMI 14752/2014
		3.3. Nitrite nitrogen	VMI 14776/2014
		3.4. Nitrate nitrogen	VMI 14542/2024
		3.5. Phosphates	VMI 14842/2014 VMI 14543/2014
		3.6. Total phosphorus	VMI 14543/2014
		3.7. Iron	VMI 14761/2014
		3.8. Chromium total	VMI 14552/2014 VMI 14758/2014
		3.9. Chromium hexavalent	VMI 14552/2014 VMI 14758/2014
		3.10. Chromium trivalent	VMI 14552/2014
		3.11. Cyanides	VMI 09701/2014
		3.12. Total suspended solids	БДС EN 872 БДС 17.1.4.04
		3.13. Total nitrogen	VMI 14537/2014
		3.14. Anionic detergents /Surfactants	VMI 02552/2015
		3.15. Chemical oxygen demand (COD)	VMI 14560/2014 VMI 14540/2014 VMI 14541/2014 VMI 14691/2023 БДС 17.1.4.02
		3.16. Biochemical oxygen demand (BOD5)	БДС EN ISO 5815-1 БДС EN 1899-2
		3.17. Dissolved oxygen /Oxygen saturation	БДС EN 25813 БДС EN ISO 5814 ISO 17289
		3.18. Cadmium	VMI 01745/2014

Type of the scope: *Flexible for a part of the scope **			
№	**Tested products**	**Type of test/characteristics**	**Test methods (standard/validated method)**
1	2	3	4
		3.19. Lead	VMI 09717/2014
		3.20. Copper	VMI 14767/2014
		3.21. Zinc	VMI 14832/2014
		3.22. Phenols	VMI 00856/2014
		3.23. Petroleum products	VMI 23/2014 БДС EN ISO 9377-2
		3.24. Extractable substances	VMI 23/2014
		3.25. Arsenic	VMI 01747/2014
		3.26. Fluorides	VMI 14598/2014
		3.27 Elemental composition **	БДС EN ISO 17294-2
IV.	Groundwater	4.1. Active reaction (pH)	БДС EN ISO 10523
		4.2. Aluminium	VMI 14825/2014
		4.3. Ammonium ion	БДС ISO 7150-1 VMI 14739/2014
		4.4. Electrical conductivity	БДС EN 27888
		4.5. Iron	БДС ISO 6332 VMI 14761/2014
		4.6. Manganese	VMI 34/2024
		4.7. Turbidity	БДС EN ISO 7027-1
		4.8. Nitrates	БДС ISO 7890 - 3 VMI 30/2022
		4.9. Nitrites	БДС EN 26777
		4.10. Color	БДС EN ISO 7887, Method C, Method D
		4.11. Coliforms	БДС EN ISO 9308-1/A1 БДС EN ISO 9308-2
		4.12. Escherichia coli	БДС EN ISO 9308-1/A1 БДС EN ISO 9308-2
		4.13. Intestinal enterococci	БДС EN ISO 7899-2
		4.14. Clostridium perfringens (incl. spores)	БДС EN ISO 14189
		4.15. Number of colonies (microbial count) at 22°C/ Number of colonies (microbial count) at 36°C	БДС EN ISO 6222
		4.16. Total hardness (Sum of calcium and magnesium)	БДС ISO 6059
		4.17. Calcium	БДС ISO 6058
		4.18. Magnesium	VMI 28/2020
		4.19. Permanganate oxidizability	БДС EN ISO 8467
		4.20. Sulfates	VMI 14548/2014 VMI 31/2022
		4.21. Phosphates	БДС EN ISO 6878, cl. 4 VMI 14848/2014
		4.22. Chlorides	VMI 25/2020
		4.23. Zinc	VMI 00861/2014
		4.24. Copper	VMI 14767/2014

Type of the scope: *Flexible for a part of the scope* *			
№	**Tested products**	**Type of test/characteristics**	**Test methods (standard/validated method)**
1	2	3	4
		4.25. Fluorides	VMI 14598/2014 VMI 26/2020
		4.26. Chromium	VMI 14758/2014
		4.27. Cyanides	VMI 09701/2014
		4.28. Arsenic	VMI 01747/2014
		4.29. Boron	VMI 00826/2014
		4.30. Cadmium	VMI 01745/2014
		4.31. Lead	VMI 09717/2014
		4.32. Total organic carbon	VMI 14878/2014
		4.33. Antimony	VMI 22/2014
		4.34. Bromates	VMI 24/2014
		4.35. Dissolved oxygen /Oxygen saturation	БДС EN ISO 5814 ISO 17289
		4.36. Pesticides (organochlorine)**	БДС EN ISO 6468
		4.37. 1,2-Dichloroethane	VMI 29/2021
		4.38. Tetrachloroethene and Trichloroethene	VMI 29/2021
		4.39. Dry residue /total dry residue	БДС 17.1.4.04
		4.40. Elemental composition **	БДС EN ISO 17294-2
		4.41. Silicium	VMI 32/2023
		4.42. Alkalinity	VMI 33/2023
		4.43. Carbonate	VMI 33/2023
		4.44. Hydrogencarbonate	VMI 33/2023
		4.45. Trihalomethanes (total) Bromodichloromethane Bromoform Dibromochloromethane Chloroform	VMI 29/2021

To perform sampling of:

Type of the scope: *Flexible**		
№	**Product**	**Sampling methods (standard/validated method)**
1	**2**	**3**
1.	Surface water	БДС ISO 5667-4 БДС EN ISO 5667-6
2.	Drinking water	БДС ISO 5667-5
3.	Surface water	БДС ISO 5667-11
4.	Drinking water, groundwater and surface water	БДС EN ISO 19458
5.	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.*

** *Within its competence, the Laboratory is authorized to determine all the characteristics (column 3) according to the marked test methods (column 4), belonging to the product group (column 2) after carried out verification/validation, provision with CRM/RM. and calibrated technical equipment. The laboratory maintains a detailed, dated list of the products and characteristics belonging to the products and characteristics mentioned in the scope of accreditation.*

***Fixed scope* references:**

1. VMI 14825/2014 Method to determine aluminium.
2. VMI 14537/2014 Method to determine nitrogen /total/.
3. VMI 14558/2014 Method to determine ammonium.
4. VMI 14752/2014 Method to determine ammonium.
5. VMI 14739/2014 Method to determine ammonium.
6. VMI 14761/2014 Method to determine iron.
7. VMI 01745/2014 Method to determine cadmium.
8. VMI 14767/2014 Method to determine copper.
9. VMI 14542/2024 Method to determine nitrates.
10. VMI 14776/2014 Method to determine nitrites.
11. VMI 09717/2014 Method to determine lead.
12. VMI 00597/2014 Method to determine free and total chlorine.
13. VMI 02552/2015 Method to determine surfactants /anionic/.
14. VMI 14548/2014 Method to determine sulfates.
15. VMI 00856/2014 Method to determine phenols.
16. VMI 14543/2014 Method to determine phosphates and total phosphorus.
17. VMI 14842/2014 Method to determine phosphates.
18. VMI 14848/2014 Method to determine phosphates.
19. VMI 14598/2014 Method to determine fluorides.
20. VMI 14560/2014 Method to determine COD.
21. VMI 14540/2014 Method to determine COD.
22. VMI 14541/2014 Method to determine COD.
23. VMI 14691/2023 Method to determine COD.
24. VMI 14758/2014 Method to determine Chromium.
25. VMI 14552/2014 Method to determine Chromium.
26. VMI 09701/2014 Method to determine Cyanides.
27. VMI 00861/2014 Method to determine zinc.
28. VMI 14832/2014 Method to determine zinc.
29. VMI 01747/2014 Method to determine arsenic.
30. VMI 00826/2014 Method to determine boron.
31. VMI 14878/2014 Method to determine TOC (total organic carbon).
32. VMI 22/2014 Method to determine antimony.
33. VMI 23/2014 Method to determine petroleum products and extractable substances.
34. VMI 24/2014 Method to determine bromates.
35. VMI 25/2020 Method to determine chlorides.
36. VMI 26/2020 Method to determine fluorides.
37. VMI 27/2020 Method to determine temperature.
38. VMI 28/2020 Method to determine magnesium.
39. VMI 29/2021 Method to determination of highly volatile halogenated hydrocarbons.
40. VMI 30/2022 Method to determine nitrates.
41. VMI 31/2022 Method to determine sulphates.
42. VMI 32/2023 Method to determine Silicium.
43. VMI 33/2023 Method to determine Alkalinity, Carbonate and Hydrogencarbonate.
44. VMI 34/2024 Method to determine Manganese.

I ORDER

To issue the certificate of accreditation reg. № 194 ЛИ/13.06.2024 valid until 29.05.2028 and this order as an integral part of it.
The certificate of accreditation with the enclosure should be obtained from the manager/ representative of the Vodosnabdyavane I Kanalizatsiya EAD, Burgas, head of the Testing laboratory at Vodosnabdyavane I Kanalizatsiya EAD, Burgas, 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 the certificate of accreditation with reg. № 194 ЛИ/29.05.2024, valid untill 29.05.2028 and its enclosure EA BAS order № А 202/29.05.2024.

This order shall be notified to Vodosnabdyavane I Kanalizatsiya EAD, Burgas within 3(three) days from its issuance.

Eng. Irena Borislavova

Executive Director
of Executive Agency Bulgarian Accreditation Service