ORDER

№ A 211

Sofia, 06.07.2026

Pursuant to Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 6 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 250/262 ЛИ/ПА/28.11.2025, assessment report reg. № 250/262 ЛИ/6/В/25.03.2026, report 2.9.5.5 reg. № 250/262 ЛИ/11/В/10.06.2026 and statement of the Accreditation Commission reg. № 250/262 ЛИ/12/В/02.07.2026, I hereby

RE-ACCREDIT

WATER SUPPLY AND SEWERAGE LTD. - BLAGOEVGRAD
TESTING LABORATORY FOR DRINKING AND WASTEWATER

Management address:
2700, Blagoevgrad, 3, Anton Chehov Str.

Laboratory addresses:
Office 1: 2723, Dabrava, Blagoevgrad Municipality, DWTP
Office 2: 2700, Blagoevgrad, Ribarnitsite Area, WWTP

Office 1: Dabrava, Blagoevgrad Municipality, DWTP

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
I.	Water - drinking (1), surface (2), groundwater (3). Swimming pool water (4).	1. Colour	БДС EN ISO 7887, cl. 5 (1), (2), (3)
		2. Temperature	БДС 8451, cl. 5 (1)
		3. Turbidity	БДС EN ISO 7027-1, cl. 5.3 (1), (2), (3)
		4. Active reaction (pH)	БДС 3424, cl. 1 (1)
		5. Oxidizability	БДС 3413 (1)
		6. Chlorides	БДС 3414 (1)
		7. Sum of calcium and magnesium	БДС ISO 6059 (1), (2), (3)

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
		8. Calcium	БДС ISO 6058 (1), (2), (3)
		9. Suspended substances	БДС EN 872 (2)
		10. Electrical conductivity	БДС EN 27888 (1), (2), (3)
		11. Dissolved oxygen	ISO 17289 (2), (3)
		12. 5-day biochemical oxygen demand (BOD_5)	БДС EN 1899-2 (2), (3)
		13. Active reaction (pH)	БДС 17.1.4.27, cl. 1 (2), (3)
		14. Permanganate oxidizability	БДС 17.1.4.16 (2), (3)
		15. Coliforms	БДС EN ISO 9308-1/A1 (1), (3), (4)
		16. Escherichia coli	БДС EN ISO 9308-1/A1 (1), (3), (4)
		17. Enterococci	БДС EN ISO 7899-2 (1), (2), (3), (4)
		18. Number of colonies (microbial count)	БДС EN ISO 6222 (1), (2), (3), (4)
		19. Clostridium perfringens	БДС EN ISO 14189 (1)
		20. Aluminum	SOP 01/2022 (1), (2), (3)
		21. Lead	SOP 02/2022 (1), (2), (3)
		22. Nickel	SOP 03/2022 (1), (2), (3)
		23. Copper	SOP 04/2022 (1), (2), (3)
		24. Zinc	SOP 05/2022 (1), (2), (3)
		25. Chromium (6-valent)	SOP 06/2022 (1), (2), (3)
		26. Cyanides (free, easily soluble)	SOP 07/2022 (1), (2), (3)
		27. Cadmium	SOP 08/2022 (1), (2), (3)
		28. Iron	SOP 09/2022 (1), (2), (3), (4)
		29. Manganese	SOP 10/2022 (1), (2), (3), (4)
		30. Sulphates	SOP 11/2022 (1), (2), (3)
		31. Diphosphorus pentoxide/phosphates	SOP 12/2022 (1), (2), (3)
		32. Ammonia/ammonium ion	SOP 13/2022 (1), (2), (3), (4)
		33. Nitrites	SOP 14/2022 (1), (2), (3), (4)
		34. Nitrates	SOP 15/2022 (1), (2), (3)
		35. Boron	SOP 16/2022 (1), (2), (3)
		36. Fluorides	SOP 17/2022 (1), (2), (3)

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
		37. Sodium	SOP 18/2022 (1), (2), (3)
		38. Free chlorine	SOP 19/2022 (1), (4)
		39. Chlorides	SOP 42/2022 (1), (2), (3)
		40. Chemical oxygen demand	SOP 43/2022 (2), (3)
		41. Magnesium	SOP 44/2022 (1), (2), (3)

To perform sampling of:

Type of the scope: *flexible**		
№	**Product**	**Sampling methods/ (standardized/ validated)**
1	2	3
I.	Water - drinking (1), surface (2), groundwater (3). Swimming pool water (4).	БДС ISO 5667-4 (2)
		БДС ISO 5667-5 (1)
		БДС EN ISO 5667-6 (2)
		БДС ISO 5667-11 (3)
		БДС EN ISO 19458 (1), (2), (3), (4)
		БДС ISO 5667-21 (1)

Office 2: Blagoevgrad, Ribarnitsite Area, WWTP

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
II.	Wastewater	1. Active reaction (pH)	БДС 17.1.4.27, cl. 1
		2. 5-day biochemical oxygen demand (BOD_5)	БДС EN ISO 5815-1
		3. Suspended substances	БДС EN 872
		4. Dissolved oxygen	БДС EN ISO 5814
		5. Nitrogen ammonia/ammonium ion	SOP 20/2020
		6. Nitrites	SOP 21/2020
		7. Nitrates	SOP 22/2020
		8. Total phosphorous	SOP 23/2020
		9. Total nitrogen	SOP 25/2020
		10. Total chromium, chromium 6+ and chromium 3+ (calculation method)	SOP 27/2020
		11. Iron	SOP 28/2020
		12. Copper	SOP 29/2020

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
		13. Cadmium	SOP 31/2020
		14. Free cyanides	SOP 32/2020
		15. Zinc	SOP 33/2020
		16. Lead	SOP 34/2020
		17. Chemical oxygen demand	SOP 35/2020
		18. Phenols	SOP 36/2020
		19. α-surfactants	SOP 37/2020
		20. Phosphorous/phosphates	SOP 38/2020
		21. Nickel	SOP 39/2020
		22. Sulphates	SOP 41/2020

To perform sampling of:

Type of the scope: *flexible**		
№	**Product**	**Sampling methods/ (standardized/ validated)**
1	2	3
II.	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 reference:

1. SOP 01/2022 Water quality. Determination of aluminum. Spectroquant® photometric test 1.14825.
2. SOP 02/2022 Water quality. Determination of lead. Spectroquant® photometric test 1.09717.
3. SOP 03/2022 Water quality. Determination of nickel. Spectroquant® photometric test 1.14785.
4. SOP 04/2022 Water quality. Determination of copper. Spectroquant® photometric test 1.14767.
5. SOP 05/2022 Water quality. Determination of zinc. Spectroquant® photometric test 1.00861.
6. SOP 06/2022 Water quality. Determination of chromium.(6-valent) Spectroquant® photometric test 1.14758.
7. SOP 07/2022 Water quality. Determination of cyanides.(free easily soluble). Spectroquant® photometric test 1.09701.
8. SOP 08/2022 Water quality. Determination of cadmium. Spectroquant® photometric test 1.01745.
9. SOP 09/2022 Water quality. Determination of iron. Spectroquant® photometric test 1.00796.
10. SOP 10/2022 Water quality. Determination of manganese. Spectroquant® photometric test 1.14770.
11. SOP 11/2022 Water quality. Determination of sulphates. Spectroquant® photometric test 1.14548.

12. SOP 12/2022 Water quality. Determination of phosphorous/phosphates. Spectroquant® photometric test 1.14848.
13. SOP 13/2022 Water quality. Determination of ammonia. Spectroquant® photometric test 1.14752.
14. SOP 14/2022 Water quality. Determination of nitrites. Spectroquant® photometric test 1.14776.
15. SOP 15/2022 Water quality. Determination of nitrates. Spectroquant® photometric test 1.14563.
16. SOP 16/2022 Water quality. Determination of boron. Spectroquant® photometric test 1.00826.
17. SOP 17/2022 Water quality. Determination of fluorides. Spectroquant® photometric test 1.14598.
18. SOP 18/2022 Water quality. Determination of sodium. Spectroquant® photometric test 1.00885.
19. SOP 19/2022 Water quality. Determination of free chlorine. Lovibond™ DPD 1 photometric test.
20. SOP 20/2020 Determination of nitrogen ammonia/ammonium ion in waste water. SOP, adapted to Hach LCK303 method.
21. SOP 21/2020 Determination of nitrites in waste water. SOP, adapted to Hach LCK341 method.
22. SOP 22/2020 Determination of nitrates in waste water. SOP, adapted to Hach LCK339 method.
23. SOP 23/2020 Determination of total phosphorous in waste water. SOP, adapted to Hach LCK348 method.
24. SOP 25/2020 Determination of total nitrogen in waste water. SOP, adapted to Hach LCK238 method.
25. SOP 27/2020 Determination of total chromium, chromium 6+ and chromium 3+ (calculation method) in waste water. SOP, adapted to Hach LCK313 method.
26. SOP 28/2020 Determination of iron in waste water. SOP, adapted to Hach LCK320 method.
27. SOP 29/2020 Determination of copper in waste water. SOP, adapted to Hach LCK329 method.
28. SOP 31/2020 Determination of cadmium in waste water. SOP, adapted to Hach LCK308 method.
29. SOP 32/2020 Determination of free cyanides in waste water. SOP, adapted to Hach LCK 315 method.
30. SOP 33/2020 Determination of zinc in waste water. SOP, adapted to Hach LCK360 method.
31. SOP 34/2020 Determination of lead in waste water. SOP, adapted to Hach LCK306 method.
32. SOP 35/2020 Determination of chemical oxygen demand in waste water. SOP, adapted to Hach LCK1414, 614, 514 methods.
33. SOP 36/2020 Determination of phenols in waste water. SOP, adapted to Hach LCK345 method.
34. SOP 37/2020 Determination of α-surfactants in waste water. SOP, adapted to Hach LCK332 method.
35. SOP 38/2020 Determination of phosphorous/phosphates in waste water. SOP, adapted to Hach LCK348 method.
36. SOP 39/2020 Determination of nickel in waste water. SOP, adapted to Hach LCK337 method.
37. SOP 41/2020 Determination of sulphates in waste water. SOP, adapted to Hach LCK153 method.
38. SOP 42/2022 Water quality. Determination of chlorides. Spectroquant® photometric test 1.14730.
39. SOP 43/2022 Water quality. Determination of chemical oxygen demand. Spectroquant® photometric test 1.14560.
40. SOP 44/2022 Water quality. Determination of magnesium in water.

I ORDER

To issue the certificate of accreditation reg. № 262 ЛИ/06.07.2026, valid until 05.07.2030, 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 Water Supply and Sewerage Ltd. - Blagoevgrad, the head of Testing Laboratory for Drinking and Wastewater at Water Supply and Sewerage Ltd. - Blagoevgrad, 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 № 262 ЛИ/05.07.2022, valid until 05.07.2026 and its enclosure, EA BAS order reg. № А 415/05.07.2022.

This order shall be notified to Water Supply and Sewerage Ltd. - Blagoevgrad, within 3 (three) days from its issuance.

Eng. Mariya Ilieva - Yordanova

Executive Director
of Executive Agency Bulgarian Accreditation Service