Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 130

Sofia, 29.03.2023

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. №. 255/166 ЛИ/ПА/16.08.2022, assessment report reg. № 255/166 ЛИ/6/В/16.11.2022, declaration reg. № 255/166 ЛИ/8/Е,П/05.12.2022, annex reg. № 255/166 ЛИ/ПА/10/В/29.12.2022, Statement of the Accreditation Commission reg. № 255/166 ЛИ/ПА/3/В/02.03.2023 and letter reg. № 255/166 ЛИ/4/Е/23.03.2023, I hereby

RE-ACCREEDIT

Vodosnabdyavane i Kanalizatsiya OOD - Ruse
Water Testing Laboratory

Management address: 7000 Ruse, 6 Dobrudzha Str.
laboratory address: 7000 Ruse, 7B Tsarigrad Str.

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**
1.1.	Water for drinking and domestic use (1) Underground water (2) Surface water (3) Waste industrial domestic and fecal water (4) Water from swimming pools (5)	1.1. Specific electrical conductivity	БДС EN 27888 (1, 2, 3)
		1.2. Active reaction pH	БДС 17.1.4.27, cl. 1 (2, 3, 4)
		1.3. Ammonium ion/Ammonia/Ammoni acai nitrogen	БДС ISO 7150-1 (1, 2) VLM 001:2009 (1, 2, 3, 5)
		1.4. Nitrites/n itric nitrogen	БДС EN 26777 (1, 2) VLM 002:2009 (1, 2, 3, 5)
		1.5. Nitrates/nitrate-nitrogen	БДС ISO 7890-3 (1, 2) VLM 003:2009 (1, 2, 3)
		1.6. Manganese	БДС ISO 6333 (1, 3) VLM 004:2009 (1, 2, 3, 4, 5)
		1.7. Residual chlorine	БДС 3560 cl. 4 (1) VLM 005:2009 (1, 5)
		1.8. Total chlorine	VLM 005:2009 (1, 5)
		1.9. Turbidity	VLM 019:2010 (1, 2, 3)
		1.10. Colour	БДС EN ISO 7887, cl. 4 and cl. 7 (1)
		1.11. Odour	БДС 8451, cl. 4 (1)
		1.12. Taste	БДС 8451, cl. 3 (1)

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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**
		1.13. Permanganate oxidation/ permanganate index	БДС EN ISO 8467 (1, 2, 5)
		1.14. Chlorides	БДС 3414 (1)
		1.15. Sulphates	VLM 006:2009 (1, 2, 3)
		1.16. Phosphates/ ortophosphates	БДС EN ISO 6878, cl. 4 (1, 2, 3) VLM 007:2009 (1, 2, 3)
		1.17. Fluorides	VLM 008:2009 (1, 2, 3)
		1.18. Sum of calcium and magnesium/ Total hardness	БДС ISO 6059 (1, 2, 3)
		1.19. Calcium	БДС ISO 6058 (1, 2, 3)
		1.20. Magnesium	VLM 020:2018 (1, 2, 3)
		1.21. Iron	VLM 009:2009 (1, 2, 3, 4, 5)
		1.22. Copper	VLM 010:2009 (1, 2, 3, 4)
		1.23. Chromium (Hexavalent) / Chromium (total)	VLM 011:2009 (1, 2, 3, 4)
		1.24. Zinc	VLM 012:2009 (1, 2, 3, 4)
		1.25. Aluminium	VLM 013:2009 (1, 2, 3)
		1.26. Boron	VLM 014:2009 (1, 2, 3)
		1.27. Cyanides (free)/ Cyanides (total)	VLM 015:2009 (1, 2, 3, 4)
		1.28. Total organic carbon /TOC/	VLM 016:2009 (1, 2, 3)
		1.29. Temperature	БДС 8451, cl. 5 (1)
		1.30. Coliforms/ coliform bacteria	БДС 17335, cl. 7 (5) БДС EN ISO 9308-1 (1, 5)
		1.31. Escherichia coli/ Fecal coli forms	БДС 17335 (5) БДС EN ISO 9308-1 (1, 5)
		1.32. Enterococci/ intestinal enterococci	БДС EN ISO 7899-2 (1, 2, 5)
		1.33. Microbial count/ Number of vital microorganisms	БДС EN ISO 6222 (1, 2, 5)
		1.34. Staphylococci	БДС 17335, cl. 9 (5)
		1.35. Chemical oxygen (dichromic) demand (COD)	VLM 017:2009 (4)
		1.36. Non-diluted substances	БДС 17.1.4.04, cl. 2 (4)
		1.37. Total nitrogen	VLM 018:2009 (4)
		1.38. Total phosphorus	VLM 007:2009 (4)
		1.39. Cadmium	VLM 021:2010 (4)
		1.40. Lead	VLM 022:2010 (4)
		1.41. Nickel	БДС 17.1.4.23 (4)

To perform sampling of:

Type of the scope: *flexible*		
№	**Product**	**Sampling method (standard/validated)**
1	**2**	**3**
1	Water for drinking and domestic purposes	БДС ISO 5667-5; БДС EN ISO 19458
2	Surface water from lakes and dams	БДС ISO 5667-4
3	Surface water from rivers and streams	БДС EN ISO 5667-6
4	Underground water	БДС ISO 5667-11; БДС EN ISO 19458
5	Waste industrial, domestic and fecal water	БДС ISO 5667-10
	Water from swimming pools	БДС EN ISO 19458

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.*

***References:**

VLM 001:2009 Photometric method for determination of the contents of ammonia ion in water.
VLM 002:2009 Photometric method for determination of the contents of nitrites in water.
VLM 003:2009 Photometric method for determination of the contents of nitrates in water.
VLM 004:2009 Photometric method for determination of the contents of manganese in water.
VLM 005:2009 Photometric method for determination of the contents of free and total chlorine in water.
VLM 006:2009 Photometric method for determination of the contents of sulphates in water.
VLM 007:2009 Photometric method for determination of the contents of orto-phosphates and total phosphorus in water.
VLM 008:2009 Photometric method for determination of the contents of fluorides in water.
VLM 009:2009 Photometric method for determination of the contents of iron in water.
VLM 010:2009 Photometric method for determination of the contents of copper in water.
VLM 011:2009 Photometric method for determination of the contents of chromium in water.
VLM 012:2009 Photometric method for determination of the contents of zinc in water.
VLM 013:2009 Photometric method for determination of the contents of aluminum in water.
VLM 014:2009 Photometric method for determination of the contents of boron in water.
VLM 015:2009 Photometric method for determination of the contents of cyanides in water.
VLM 016:2009 Photometric method for determination of the contents of total organic carbon /TOC/ in water.
VLM 017:2009 Photometric method for determination of the contents of chemical oxygen (dichromic) demand (COD) in water.
VLM 018:2009 Photometric method for determination of the contents of total nitrogen in waler.
VLM 019:2010 Method for determination of turbidity in water.
VLM 020:2018 Method for determination of the contents of magnesium in water.
VLM 021:2010 Method for determination of the contents of cadmium in water.
VLM 022:2010 Method for determination of the contents of lead in water.

I ORDER

To issue the Certificate of accreditation reg. № 166 ЛИ/29.03.2023, valid until 29.03.2027, 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 - Ruse, the head of the Water Testing Laboratory at Vodosnabdyavane i Kanalizatsiya OOD - Ruse, 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 № 166 ЛИ/28.09.2021, valid until 29.03.2023 and сшя enclosure – EA BAS order reg. № A 588/28.09.2021 as an integral part of it.

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

Eng. Irena Borislavova

Executive Director of EA BAS