REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 374

Sofia, 02.12.2025

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. № 449/162 ЛИ/ПА/17.04.2025, report reg. № 449/162 ЛИ/6/В/25.08.2025 and statement of the Accreditation Commission reg. № 449/162 ЛИ/ПА/15/В/28.11.2025, I hereby,

RE-ACCREDIT

WATER SUPPLY AND SEWERAGE SYSTEMS LTD, MONTANA
TESTING LABORATORY

Management address: 3400 Montana, 11 Aleksandar Stamboliyski Blvd, P.O. Box 134
Laboratory addresses:
Potable Water Sector: 3400 Montana, 11 Aleksandar Stamboliyski Blvd, P.O. Box 134,
Waste Water Sector: 3400 Montana, WWTP, Tirovete Area: Land Property № 48489.3.526

To perform testing of:
I. Potable Water Sector: 3400 Montana, 11 Aleksandar Stamboliyski Blvd, P.O. Box 134

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: Potable (1) Surface (2) Underground (3)	Colour	БДС 8451, cl. 2 (1)
		Smell	БДС 8451, cl. 4 (1)
		Taste	БДС 8451, cl. 3 (1)
		Turbidity	БДС EN ISO 7027-1 (1), (2), (3)
		Active reaction (pH)	БДС 3424, cl. 1, (1)
		Active reaction (pH)	БДС 17.1.4.27, cl. 1, (2), (3)
		Total hardness (sum of calcium and magnesium content)	БДС ISO 6059 (1), (2), (3)
		Permanganate oxidizability	БДС 3413 (1)
		Ammonium ion	VLM 01 (1), (2), (3)
		Nitrites	VLM 02 (1), (2), (3)
		Nitrates	VM 03 (1), (2), (3)
		Chlorides	БДС 3414 (1)
		Magnesium	VLM 22 (1), (2), (3)
		Calcium	БДС ISO 6058 (1), (2), (3)
		Iron / dissolved iron	VM 04 (1), (2), (3)
		Manganese	VLM 05 (1), (2), (3)
		Phosphates	VM 06 (1), (2), (3)
		Sulphates	VLM 07 (1), (2), (3)

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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
		Arsenic	VM 20 (1), (2), (3)
		Chrome	VLM 09 (1), (2), (3)
		Cuprum	VM 10 (1), (2), (3)
		Zinc	VLM 11 (1), (2), (3)
		Lead	VLM 12 (1), (2), (3)
		Fluorides	VM 08 (1), (2), (3)
		Electrical conductivity	БДС EN 27888 (1), (2), (3)
		Residual chlorine	БДС 3560 (1)
		Boron	VLM 13 (1), (2), (3)
		Cadmium	VM 19 (1), (2), (3)
		Aluminium	VM 16 (1), (2), (3)
		Cyanides (total / free)	VM 15 (1), (2), (3)
		Nickel	VLM 14 (1), (2), (3)
		Dissolved oxygen	VLM 21 (1), (2), (3)
		Temperature	БДС 8451, cl. 5 (1), (2), (3)
		Coliforms	БДС EN ISO 9308-1/A1 (1), (2), (3) VM 01-MB (1), (2), (3)
		Escherichia coli Escherichia coli / faecal coliforms	БДС EN ISO 9308-1/A1 (1), (3) VM 01-MB (1), (2), (3)
		Enterococci	БДС EN ISO 7899-2 (1), (2), (3) VM 02-MB (1), (2), (3)
		Number of viable microorganisms / microbial count	БДС EN ISO 6222 (1), (2), (3)
		Sulphite-reducing anaerobes (clostridia)	БДС EN 26461- 2 (1), (2), (3)

To perform sampling of:

Type of the scope: *Flexible**		
№	**Product**	**Samplting 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 5667-6/A11 БДС EN ISO 19458
3.	Underground Water	БДС ISO 5667-11, cl. 3.9, cl. 3.16, cl. 3.17, cl. 5.3.2.2, cl. 6.1.1 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 CAB.*

Fixed scope references:

VM 03:2015 Determination of nitrate / nitrate nitrogen content.
VM 04:2015 Determination of iron / dissolved iron content.
VM 06:2015 Determination of phosphate / total phosphorus content.
VM 08:2015 Determination of fluoride content.
VM 10:2015 Determination of copper content.
VM 15:2015 Determination of cyanide content (total / free).
VM 16:2015 Determination of aluminium content.

VM 19:2015 Determination of cadmium content.
VM 20:2015 Determination of arsenic content.
VM 01-MB:2009 Water quality. Detection and determination of the number of Escherichia coli and coliforms (membrane filtration method with nutrient medium: chromogenic coliform agar).
VM 02-MB:2009 Water quality. Detection and determination of the number of intestinal enterococci. Membrane filtration method.
VLM 01:2015 Water quality. Determination of ammonium ion / ammonium nitrogen.
VLM 02:2015 Water quality. Determination of nitrites / nitrite nitrogen.
VLM 05:2015 Water quality. Determination of manganese.
VLM 07:2015 Water quality. Determination of sulphates.
VLM 09:2015 Water quality. Determination of total chromium.
VLM 11:2015 Water quality. Determination of zinc.
VLM 12:2015 Water quality. Determination of lead.
VLM 13:2015 Water quality. Determination of boron.
VLM 14:2015 Water quality. Determination of nickel.
VLM 21:2016 Method for measuring dissolved oxygen in water and wastewater (corresponds to EPA 360.3 – luminescent).
VLM 22:2021 Water quality. Determination of magnesium (calculation method).

II. Waste Water Sector: 3400 Montana, WWTP, Tirovete Area: Land Property № 48489.3.526

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: Surface (1) Waste (2)	Phosphates (such as phosphorus) and total phosphorus	VLM OV 02 (1), (2)
		Total nitrogen	VLM OV 03 (1), (2)
		Lead	VLM OV 04 (2)
		Nickel	VLM OV 07 (1), (2)
		Iron (total)	VLM OV 09 (1), (2)
		Cuprum	VLM OV 10 (1), (2)
		Phenols	VLM OV 12 (1), (2)
		Active reaction (pH)	БДС 17.1.4.27, cl. 1 (1), (2)
		COD (dichromatic)	VLM OV 01 (1), (2)
		Anionic detergents (surfactants)	VLM OV 06 (1), (2)
		Undesolved substances.	БДС 17.1.4.04, cl. 2 (1), (2)
		BOD_5	VLM OV 18 (1), (2)
		Cyanides (total / free)	VM 15 (1), (2)
		Zinc	VLM 11 (1), (2)

To perform sampling of:

Type of the scope: *Flexible **		
№	**Product**	**Sampiting methods (standard/ validated method)**
1	2	3
1.	Waste water	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 CAB.*

Fixed scope references:
VLM OV 06:2016 Determination of anionic detergents in water (surfactants).
VLM OV 07:2016 Determination of nickel in water.

VLM OV 09:2016 Determination of iron (total) in water.
VLM OV 10:2016 Determination of copper in water.
VLM OV 12:2016 Determination of phenols in water.
VLM OV 18:2016 Determination of biochemical oxygen demand (BOD_5) in water.
VLM OV 01:2016 Determination of COD (dichromate) in water.
VLM OV 02:2016 Determination of phosphates (such as phosphorus) and total phosphorus in water.
VLM OV 03:2016 Determination of total nitrogen in water.
VLM OV 04:2016 Determination of lead in water.
VLM 11:2015 Water quality. Determination of zinc content.
VM 15:2015 Determination of cyanide content (total / free).

I ORDER

To issue the certificate of accreditation reg. № 162 ЛИ/02.12.2025, valid until 01.12.2029 and this order enclosed as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the manager of Water Supply and Sewerage Systems Ltd, Montana, the head of the Testing Laboratory, at Water Supply and Sewerage Systems Ltd, Montana, 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 reg. № 162 ЛИ/15.02.2023, valid untill 30.11.2025 and its enclosure, EA BAS order № А 101/15.02.2023.

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

Eng. Mariya Ilieva-Yordanova

Executive Director
of Executive agency Bulgarian accreditation service