REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 456

Sofia, 04.12.2024

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with item 5.3.1 of the BAS QR 2 Accreditation Procedure and EA BAS order ref. № A 455/04.12.2024, I hereby

AMEND

Certificate of accreditation reg. № 301 ЛИ/08.11.2024, valid until 31.08.2027 and an enclosure, EA BAS order № A 416/08.11.2024

MEDIKO LTD
MEDIKO TESTING LABORATORY

Management address: 5400, Sevlievo, 3 Hristo Gabrovski Str.
Laboratory address: 5300, Gabrovo, 15A Chumerna Str.

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: drinking (1), surface (2), underground (3), waste (4).	1.1. Colour	БДС EN ISO 7887, method C (1,2,3,4)
		1.2. Turbidity	БДС EN ISO 7027-1, cl. 5.3. (1,2,3,4)
		1.3. Active reaction/pH	БДС EN ISO 10523 (1,2,3,4)
		1.4. Special Electrical conductivity	БДС EN ISO 27888 (1,2,3,4)
		1.5. Ammonium ions/ Nitrogen (ammonium)/ Ammonia	ILTM-W №1/2023 (1,2,3,4)
		1.6. Nitrites/ Nitrogen (nitrite)	ILTM-W №2/2023 (1,2,3,4)
		1.7. Nitrates/ Nitrogen (nitrate)	ILTM-W №3/2023 (1,2,3,4)
		1.8. Manganese	БДС EN ISO 11885 (1,2,3,4) ILTM-W №4/2023 (1,2,3,4)
		1.9. Oxidizability/ Permanganate oxidizability	БДС 3413:1977 (1) БДС 17.1.4.16 (2,3,4)
		1.10, Total hardness/sum of calcium and magnesium	БДС ISO 6059:2002 (1,2,3)
		1.11. Iron /dissolved/ total	БДС EN ISO 11885 (1,2,3,4) ILTM-W №5/2023 (1,2,3,4)
		1.12. Aluminum	БДС EN ISO 11885 (1,2,3,4) ILTM-W №6/2023 (1,2,3,4)
		1.13. Calcium	БДС EN ISO 11885 (1,2,3,4)

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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 / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
			БДС ISO 6058 (1,2,3)
		1.14. Magnesium	БДС EN ISO 11885 (1,2,3,4)
		1.15. Sodium	БДС EN ISO 11885 (1,2,3,4)
		1.16. Zinc	БДС EN ISO 11885 (1,2,3,4)
		1.17. Total Organic Carbon / TOC / Dissolved Organic Carbon	ILTM-W №7/2023 (1,2,3,4)
		1.18. Total phosphorus phosphates/ortho-phosphates/total phosphorus/P_2O_5	БДС EN ISO 11885 (1,2,3,4) ILTM-W №8/2023 (1,2,3,4)
		1.19. Chlorides	ILTM-W №9/2023 (1,2,3,4)
		1.20. Sulfates	ILTM-W №10/2023 (1,2,3,4)
		1.21. Arsenic	БДС EN ISO 11885 (1,2,3,4)
		1.22, Boron	БДС EN ISO 11885 (1,2,3,4) ILTM-W №11/2023 (1,2,3,4)
		1.23. Cadmium	БДС EN ISO 11885 (1,2,3,4)
		1.24. Copper	БДС EN ISO 11885 (1,2,3,4) ILTM-W №12/2023 (1,2,3,4)
		1.25. Nickel	БДС EN ISO 11885 (1,2,3,4) ILTM-W №13/2023 (1,2,3,4)
		1.26. Lead	БДС EN ISO 11885 (1,2,3,4)
		1.27. Fluorides	ILTM-W №14/2023 (1,2,3,4)
		1.28. Chromium, total, VI, III and CrO_4	ILTM-W №15/2023 (1,2,3,4) БДС EN ISO 11885 (1,2,3,4)
		1.29. Mercury	ILTM-W №25/2023 (1,2,3,4)
		1.30. Selenium	БДС EN ISO 11885 (1,2,3,4)
		1.31. Beryllium	БДС EN ISO 11885 (1,2,3,4)
		1.32. Cobalt	БДС EN ISO 11885 (1,2,3,4)
		1.33. Potassium	БДС EN ISO 11885 (1,2,3,4)
		1.34. Vanadium	БДС EN ISO 11885 (1,2,3,4)
		1.35. Barium	БДС EN ISO 11885 (1,2,3,4)
		1.36. Molybdenum	БДС EN ISO 11885 (1,2,3,4)
		1.37, Antimony	БДС EN ISO 11885 (1,2,3,4)
		1.38. Silicon	БДС EN ISO 11885 (1,2,3,4)
		1.39. Cyanides free/readily degradable	ILTM-W №16/2023 (1,2,3,4)
		1.40. Surfactants - anionic/detergents	ILTM-W №17/2023 (1,2,3,4)
		1.41. Phenols	ILTM-W №18/2023 (1,2,3,4)
		1.42. Chemical oxygen demand (COD) oxidizability/ dichromate	ILTM-W №19/2023 (1,2,3,4)
		1.43. Biochemical oxygen demand for 5 days /BOD5/	БДС EN ISO 5815-1, cl. 9.6.2 (2,3,4) БДС EN 1899-2, cl. 7.2.2. (1,2,3)
		1.44. Total nitrogen	ILTM-W №20/2023 (1,2,3,4)
		1.45. Dissolved oxygen	БДС EN 5814 (1,2,3,4)

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
		1.46. Temperature	БДС 8451, cl. 5 (1,2,3) БДС 17.1.4.01, cl. 4 (4)
		1.47. Dry residue / total dry residue	БДС 3546 (1) БДС 17.1.4.04, cl. 1 (2,3,4)
		1.48. Undissolved substances / suspended substances	БДС 17.1.4.04, cl. 2 (2,3,4)
		1.49. Dissolved substances	БДС 3546 (1) БДС 17.1.4.04, cl. 3 (2,3,4)
		1.50. Sulfides-dissolved S2- free hydrogen sulfide /HS	ILTM-W №21/2023 (1,2,3,4)
		1.51. Total and composite alkalinity/hydrocarbons	БДС EN ISO 9963-1, cl. 8.1 (1,2,3)
		1.52. Carbonate Alkalinity/Carbonates	БДС EN ISO 9963-2, cl. 8.1 (1,2,3)
		1.53. Organic nitrogen (difference between total nitrogen and inorganic nitrogen)	ILTM-W №22/2023 (1,2,3,4)
		1.54. Total extractable substances /Animal fats and vegetable oils/ Petroleum products	ILTM-W №23/2023 (2,3,4)
		1.55. Determination of metasilicic acid/Si/SOz.	ILTM-W №24/2023 (1,2,3,4)
		1.56. Free chlorine; total chlorine; connected chlorine	ILTM-W №26/2023 (1,4)
		1.57. Magnesium (calculation method)	ILTM-W №27/2023 (1,2,3)
2.	Emissions from stationary sources in atmospheric air/gas streams	2.1. Velocity of gas streams, volume/flow rate	БДС EN ISO 16911-1
		2.2. Temperature - of air - of gases in the gas pipeline	БДС EN ISO 16911-1
		2.3. Pressure/Pipeline pressure/pipeline underpressure/ barometric pressure	БДС EN ISO 16911-1
		2.4. Dust	БДС EN 13284-1 БДС ISO 9096
		2.5. Moisture	БДС EN 14790 ILTM-E №1/2022
		2.6. Nitrogen oxides/ NOx (NO, NO_2), Nitrogen oxide/ NO, Nitrogen dioxide /NO_2	ILTM-E №1/2022
		2.7. Carbon monoxide/ CO	ILTM-E №1/2022
		2.8. Oxygen/O_2	ILTM-E №1/2022
		2.9. Carbon dioxide/ CO_2	ILTM-E №1/2022
		2.10. Sulfur Dioxide/ SO_2	ILTM-E №1/2022
		2.11. As, Cd, Co, Cr, Cu, Zn,	ILTM-E №2/2021

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
		Mn, Ni, Pb, Sb, Sn и V	
		2.12. Total hydrocarbon., Methane (CH_4); Total organic carbon (calculation method)	ILTM-E №1/2022
		2.13. Fluorides / HF	ISO 15713
		2.14. Chlorides / HCl	БДС EN 1911, Method B
3.	Environmental noise	3.1. Equivalent noise level / Background noise level / Noise level at the site boundary / Noise level at the point of impact	БДС 15471 ILTM-S №1/2021
		3.2. Total sound power level (calculation method)	ILTM-S №1/2021
		3.3. Average noise level along the measuring loop (calculation method)	ILTM-S №1/2021
		3.4. Noise protection zone radius (calculation method)	ILTM-S №1/2021

II. To perform sampling of:

Type of the scope: flexible for a part of the scope		
№	**Product**	**Sampling methods (standard/validated method)**
1	2	3
1.	WATER: drinking(1), surface(2), underground (3), waste (4).	БДС ISO 5667-5 (1) БДС EN ISO 5667-6 /A11 (2) БДС ISO 5667-4 (2) БДС ISO 5667-11, cl. 3.9, cl. 3.16, cl. 3.17, cl. 5.3.2.8. and cl. 6,1,1 (3) БДС ISO 5667-10 (4)
2.	Emissions from stationary sources in atmospheric air / gas flows	БДС EN 13284-1 БДС ISO 9096 БДС EN 14790 ISO 15713 БДС EN 1911

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:

1.	ILTM-W №1/2023	Water quality. Determination of ammonium ion. Spectrophotometric method with test "Spectroquant"
2.	ILTM-W №2/2023	Water quality. Determination of nitrites. Spectrophotometric method with test "Spectroquant"
3.	ILTM-W B №3/2023	Water quality.Determination of nitrates. Spectrophotometric method with test "Spectroquant"
4.	ILTM-W B №4/2023	Water quality. Determination of manganese. Spectrophotometric method with test "Spectroquant"
5.	ILTM-W №5/2023	Water quality. Determination of iron. Spectrophotometric

		method with test "Spectroquant"
6.	ILTM-W №6/2023	Water quality. Determination of aluminum. Spectrophotometric method with test "Spectroquant"
7.	ILTM-W №7/2023	Water quality. Determination of total organic carbon. Spectrophotometric method with test "Spectroquant"
8.	ILTM-W №8/2023	Water quality. Determination of phosphates. Spectrophotometric method with test "Spectroquant"
9.	ILTM-W №9/2023	Water quality. Determination of chlorides. Spectrophotometric method with test "Spectroquant"
10.	ILTM-W №10/2023	Water quality. Determination of sulfates. Spectrophotometric method with test "Spectroquant"
11.	ILTM-W №11/2023	Water quality. Determination of boron. Spectrophotometric method with test "Spectroquant"
12.	ILTM-W №12/2023	Water quality. Determination of copper. Spectrophotometric method with test "Spectroquant"
13.	ILTM-W №13/2023	Water quality. Determination of nickel. Spectrophotometric method with test "Spectroquant"
14.	ILTM-W №14/2023	Water quality. Determination of fluorides. Spectrophotometric method with test "Spectroquant"
15.	ILTM-W №15/2023	Water quality. Determination of chromium. Spectrophotometric method with test "Spectroquant"
16.	ILTM-W №16/2023	Water quality. Determination of cyanides. Spectrophotometric method with test "Spectroquant"
17.	ILTM-W №17/2023	Water quality. Determination of surfaetants-anions. Spectrophotometric method with test "Spectroquant"
18.	ILTM-W №18/2023	Water quality. Determination of phenols. Spectrophotometric method with test "Spectroquant"
19.	ILTM-W №19/2023	Water quality. Determination of COD. Spectrophotometric method with test "Spectroquant"
20.	ILTM-W №20/2023	Water quality. Determination of total nitrogen. Spectrophotometric method with test "Spectroquant"
21.	ILTM-W №21/2023	Water quality. Determination of sulphides S2 /HS. Spectrophotometric method with test "Spectroquant"
22.	ILTM-W №22/2023	Water quality. Determination of organic nitrogen. (difference between total nitrogen and inorganic nitrogen), computational method
23.	ILTM-W №23/2023	Water quality. Determination of total extractable organic compounds, fats and oil products. Photometric and gravimetric method.
24.	ILTM-W №24/2023	Water quality. Determination of silicon/ silica/ meta meta silicic acid. Spectrophotometric method with test "Spectroquant"
25.	ILTM-W №25/2023	Water quality. Determination of mercury by inductively coupled plasma optical emission (ICP-0ES) and hydride system.
26.	ILTM-W №26/2023	Water quality. Determination of free, total and connected chlorine. Colorimetric method with test "Spectroquant".
27.	ILTM-W №27/2023	Water quality. Determination of the content of magnesium. Calculation method.
28.	ILT-E №1/2022	Determination of gas flow parameters and the content of chemical agents in gas emissions.
29.	ILTM-E №2/2021	Method for determining As, Cd, Co, Cr, Cu, Zn, Mn, Ni, Pb, Sb, Sn и V с ICP-OES in an emission dust Sample.
30.	ILTM-S №1/2021	Determination of total sound power emitted in the Environment by the industrial enterprise and determining the noise level in the place of impact.

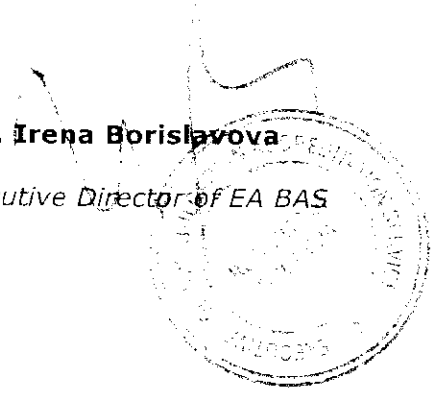
I ORDER

To issue the certificate of accreditation reg. № 301 ЛИ/04.12.2024, valid until 31.08.2027, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager/ representative of MEDIKO LTD, the head of the MEDIKO Testing Laboratory, at MEDIKO LTD, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, accredited person is obliged to return to EA BAS the originals of certificate of accreditation reg. № 301 ЛИ/08.11.2024, valid until 31.08.2027 and an enclosure, EA BAS order reg. № А 416/08.11.2024 as integral part of it.

This order shall be notified to MEDIKO LTD, within 3 (three) days from its issuance.



Eng. Irena Borislavova

Executive Director of EA BAS