



ORDER

№ A 518

Sofia, 18.08.2022

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, para. 1, and Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and items 6 and 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 68/249 ЛИ/ПА/РО/07.07.2021, assessment report reg. № 68/249 ЛИ/ПА/РО/12/В/21.02.2022, annex reg. № 68/249 ЛИ/ПА/РО/6/В/01.08.2022 and statement of the Accreditation Commission reg. № 68/249 ЛИ/ПА/РО/10/В/10.08.2022, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

**of Sofia Regional Health Inspectorate
Testing Laboratory Complex**

**Management address: 1233 Sofia, 20, Vranya Str.
Laboratory address: 1303 Sofia, 169A, Tsar Simeon Str.**

To perform testing of:

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
I. Water			
	Water intended for drinking and domestic use ⁽¹⁾	1. Active reaction (pH)	БДС 3424 – (1), (5) БДС 17.1.4.27 – (2), (3) БДС EN ISO 10523 – (1), (2), (3), (4), (5)
	Surface water ⁽²⁾	2. Aluminium	01/ICP/MS/ECB:2014 – (1) БДС ISO 10566 – (1)
		3. Ammonium ion	БДС 3587 – (1), (5) БДС 17.1.4.10 – (2), (3) БДС ISO 7150-1 – (2), (3), (4)
	Water from open water areas used for bathing and water sports ⁽³⁾	4. Antimony	01/ICP/MS/ECB:2014 – (1), (5)
		5. Arsenic	01/ICP/MS/ECB:2014 – (1), (2), (3), (5) БДС ISO 17378-2 – (1), (2), (3), (5)
		6. Barium	01/ICP/MS/ECB:2014 – (2), (5)
	Water from swimming pools ⁽⁴⁾	7. Benzene	БДС ISO 11423-1 –
		8. Beryllium	01/ICP/MS/ECB:2014 – (1)
		9. Borates	01/ICP/MS/ECB:2014 – (1), (2), (5) БДС ISO 9390 – (1), (2), (5)
	Water from mineral springs ⁽⁵⁾	10. Bromates	БДС EN ISO 15061 – (1)
		11. Vanadium	01/ICP/MS/ECB:2014 – (2)
		12. High-volatile halogenated hydrocarbons *	БДС EN ISO 10301 – (1)
		13. Taste	БДС 8451, т. 3 – (1) БДС EN 1622 – (1)
		14. Carbon dioxide	01/ICP/MS/ECB:2014 – (2), (5)

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		15. Electrical conductivity	БДС EN 27888 – (1), (2)
		16. Natural uranium	01/ICP/MS/ECB:2014 – (1), (2), (5)
		17. Iron	01/ICP/MS/ECB:2014 – (1), (2), (4) БДС 16777 – (1)
		18. Mercury	БДС EN ISO 12846 – (1), (2), (3), (5)
		19. Cadmium	01/ICP/MS/ECB:2014 – (1), (2), (3), (5) БДС 16777 – (1) БДС EN ISO 5961 – (1), (2), (3), (5)
		20. Calcium	БДС ISO 6058 – (1)
		21. Cobalt	01/ICP/MS/ECB:2014 – (2)
		22. Magnesium	03/B/Mg:2021 – (1)
		23. Manganese	01/ICP/MS/ECB:2014 – (1), (2), (4), (5) БДС 16777 – (1)
		24. Copper	01/ICP/MS/ECB:2014 – (1), (2), (5) БДС 16777 – (1)
		25. Odour	БДС 8451, cl. 4 – (1) БДС EN 1622 – (1), (4)
		26. Turbidity	БДС EN ISO 7027-1 – (1) (2), (3)
		27. Sodium	01/ICP/MS/ECB:2014 – (1) БДС ISO 9964-1 – (1)
		28. Suspended Solids	БДС 17.1.4.04, т. 2 – (2)
		29. Nickel	01/ICP/MS/ECB:2014 – (1), (2), (5) 08/AAC/Ni:2014 – (1), (2), (5)
		30. Nitrates	БДС 3758 – (1) БДС 17.1.4.12 – (2), (3)
		31. Nitrites	БДС EN 26777 – (1), (4), (5)
		32. Total Hardness	БДС ISO 6059 – (1)
		33. sulphur compounds oxidised by iodine (hydrogen sulphide)	БДС 3097, cl. 213 – (5)
		34. Lead	01/ICP/MS/ECB:2014 – (1), (2), (3), (5) БДС 16777 – (1)
		35. Residual free chlorine	БДС 3560 – (1) БДС EN ISO 7393-2 – (1), (4)
		36. Oxidization by Permanganate/ Permanganate Index	БДС 3413 – (1) БДС EN ISO 8467 – (1), (4), (5)
		37. Pesticides: - 2,4- DDT - 4,4- DDT - 2,4- DDE - 4,4- DDE - 2,4- DDD - 4,4- DDD - Aldrin - Dieldrin - Endrin - α - HCH - β - HCH - Lindane - δ - HCH - ε - HCH - Alachlor - Heptachlor - Endosulfan α	03/GC/MS/Пест:2021 – (1), (2)

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		<ul style="list-style-type: none"> - Endosulfan β - Linuron - Atrazine - Simazine - Permethrin - Propazine - Terbutryn - Terbutylazine - Chlorpyrifos - Dimethoate - Diazinon 	
		38. Pesticides: <ul style="list-style-type: none"> - Aldicarb - Sulphone - Pirimicarb - Imidacloprid - Acetamiprid - Thiacloprid - Aldicarb - Simazine - Imazalil - Chlorantraniliprole - Terbutylazine - Azoxystrobin - Epoxiconazole - Boscalid - Fenoxycarb - Alachlor - Metolachlor - s – Metolachlor - Kresoxim - Methyl - Piperonyl - Butoxide - Tebufenpyrad - Trifloxystrobin - Quinoxifen - Pendimethalin - Fenpropathrin - Pyridaben - τ-fluvalinate - Bentazone - 2.4 D - MCPA - mecoprop - p - 245- silvex 	01/LC/MS/MS/Пест:2021 – (1), (2)
		39. Polycyclic Aromatic Hydrocarbons*	БДС EN ISO 17993 – (1), (2)
		40. Selenium	01/ICP/MS/ECB:2014 – (1)
		41. Sulphates	БДС 3588 – (1) БДС 17.1.4.03 – (2)
		42. Temperature	БДС 8451 – (2), (5)
		43. Fluorides (Fluorine)	БДС 16911 – (1)
		44. Phosphates	БДС EN ISO 6878 – (1), (2), (3)

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		45. Organophosphorus Pesticides*	БДС EN 12918 – (1), (2), (3)
		46. Chlorides	БДС 3414 – (1) БДС 17.1.4.24 – (2)
		47. Organochlorine Pesticides*	БДС EN ISO 6468 – (1), (2), (3)
		48. Chromium	01/ICP/MS/ECB:2014 – (1), (2), (3)
		49. Colour	БДС EN ISO 7887, cl. D – (1), (2), (3), (4)
		50. Cyanides	БДС 7214 – (1) БДС 17.1.4.14 – (2), (3)
		51. Zink	01/ICP/MS/ECB:2014 – (1), (2), (3), (4) БДС 16777 – (1)
		52. Number of Colonies/Microbial Count/Total Number of Mesophilic Aerobic Microorganisms	БДС EN ISO 6222 – (1), (5)
		53. Enterococci/Faecal Streptococci/Intestinal Enterococci	БДС EN ISO 7899-1 – (2) БДС EN ISO 7899-2 – (1), (2), (3), (5)
		54. Enterococci Titer	БДС 17335 – (4)
		55. Escherichia coli	БДС EN ISO 9308-1/A1 – (1), (3), (5) БДС 17336 – (1)
		56. Escherichia coli titer and total coli titer	БДС 17335 – (4)
		57. Clostridium perfringens	БДС EN ISO 14189 – (1), (5)
		58. Coliforms	БДС EN ISO 9308-1/A1 – (1), (3), (5) БДС 17336 – (1)
		59. Microbial Count	БДС 17335 – (4)
		60. Pseudomonas aeruginosa	БДС EN ISO 16266 – (5)
		61. Salmonella	БДС EN ISO 19250 – (2), (3)
		62. Staphylococcal titer	БДС 17335 – (4)
		63. Sulfite-reducing Clostridia	БДС EN 26461-2 – (1), (5)
		64. Faecal Coliforms	БДС EN ISO 9308-3 – (2), (3)
II.	Bottled water, including water intended for bottling	1. Active reaction (pH)	БДС 3424 БДС EN ISO 10523
		2. Aluminium	01/ICP/MS/ECB:2014 БДС ISO 10566
		3. Ammonium ion	БДС 3587
		4. Antimony	01/ICP/MS/ECB:2014
		5. Arsenic	01/ICP/MS/ECB:2014 БДС ISO 17378-2
		6. Barium	01/ICP/MS/ECB:2014
		7. Benzene	БДС ISO 11423-1
		8. Borates (Boron)	01/ICP/MS/ECB:2014 БДС ISO 9390
		9. Bromates	БДС EN ISO 15061
		10. High-volatile halogenated hydrocarbons *	БДС EN ISO 10301

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		11. Taste	БДС 8451, cl. 3 БДС EN 1622
		12. Carbon dioxide	БДС 3097, cl. 2.3
		13. Electrical conductivity	БДС EN 27888
		14. Natural uranium	01/ICP/MS/ECB:2014
		15. Iron	01/ICP/MS/ECB:2014 БДС 16777
		16. Mercury	БДС EN ISO 12846
		17. Cadmium	01/ICP/MS/ECB:2014 БДС 16777 БДС EN ISO 5961
		18. Calcium	БДС ISO 6058
		19. Magnesium	03/B/Mg:2021
		20. Manganese	01/ICP/MS/ECB:2014 БДС 16777
		21. Copper	01/ICP/MS/ECB:2014 БДС 16777
		22. Odour	БДС 8451, cl. 4 БДС EN 1622
		23. Turbidity	БДС EN ISO 7027-1
		24. Sodium	01/ICP/MS/ECB:2014 БДС ISO 9964-1
		25. Nickel	01/ICP/MS/ECB:2014 08/AAC/NI:2014
		26. Nitrates	БДС 3758
		27. Nitrites	БДС EN 26777
		28. Total Hardness	БДС ISO 6059
		29. sulphur compounds oxidised by iodine (hydrogen sulphide)	БДС 3097, cl. 2.13
		30. Lead	01/ICP/MS/ECB:2014 БДС 16777
		31. Residual free chlorine	БДС 3560 БДС EN ISO 7393-2
		32. Oxidization by Permanganate	БДС 3413 БДС EN ISO 8467
		33. Pesticides: - 2,4- DDT - 4,4- DDT - 2,4- DDE - 4,4- DDE - 2,4- DDD - 4,4- DDD - Aldrin - Dieldrin - Endrin - α - HCH - β - HCH - Lindane - δ - HCH - ε - HCH	03/GC/MS/Пест:2021

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		<ul style="list-style-type: none"> - Alachlor - Heptachlor - Endosulfan α - Endosulfan β - Linuron - Atrazine - Simazine - Permethrin - Propazine - Terbutryn - Terbutylazine - Chlorpyrifos - Dimethoate - Diazinon 	
		34. Pesticides: <ul style="list-style-type: none"> - Aldicarb - Sulphone - Pirimicarb - Imidacloprid - Acetamiprid - Thiacloprid - Aldicarb - Simazine - Imazalil - Chlorantraniliprole - Terbutylazine - Azoxystrobin - Epoxiconazole - Boscalid - Fenoxycarb - Alachlor - Metolachlor - s - Metolachlor - Kresoxim - Methyl - Piperonyl - Butoxide - Tebufenpyrad - Trifloxystrobin - Quinoxifen - Pendimethalin - Fenpropathrin - Pyridaben - τ - fluvalinate - Bentazone - 2.4 D - MCPA - mecoprop - p - 245 - silvex 	01/LC/MS/MS/Пест:2021
		35. Polycyclic Aromatic Hydrocarbons*	БДС EN ISO 17993
		36. Dissolved Ozone	02/B/03:2013 БДС CEN/TR 14740
		37. Selenium	01/ICP/MS/ECB:2014
		38. Sulphates	БДС 3588
		39. Temperature	БДС 8451
		40. Fluorides (Fluorine)	БДС 16911
		41. Phosphates	БДС EN ISO 6878
		42. Organophosphorus Pesticides*	БДС EN 12918

Type of the scope: <i>flexible for part of the scope</i>			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		43. Chlorides	БДС 3414
		44. Organochlorine Pesticides*	БДС EN ISO 6468
		45. Chromium	01/ICP/MS/ECB:2014
		46. Colour	БДС EN ISO 7887, T. D
		47. Cyanides	БДС 7214
		48. Zink	01/ICP/MS/ECB:2014 БДС 16777
		49. Total colony count of viable microorganisms	БДС EN ISO 6222
		50. Faecal streptococci	БДС EN ISO 7899-2
		51. Escherichia coli	БДС EN ISO 9308-1/A1
		52. Clostridium perfringens	БДС EN ISO 14189
		53. Coliforms	БДС EN ISO 9308-1/A1
		54. Pseudomonas aeruginosa	БДС EN ISO 16266
		55. Spore-forming sulfite-reducing anaerobic bacteria	БДС EN 26461-2
III.	Biocide preparations	1. Active chlorine	01/ДЕЗ/Хл: 2009
IV.	Detergents	1. Bleaching activator	БДС 8858
		2. Carbonates	БДС 8860
		3. Total surfactants	БДС 9025, cl. 1
		4. pH of aqueous surfactant solutions	БДС ISO 4316
		5. Phosphates (e. g. P ₂ O ₅ in surfactants)	БДС ISO 4313
V.	Chemical substances and mixtures	1. Methyl Alcohol	02/ GC/FID /Мет:2013
		2. Toluene	01/GC/FID/Тол :2017

Carry out sampling of:

Type of scope: <i>flexible</i>		
№	Product	Sampling methods (standardised/validated)
1	2	3
1.	Water intended for drinking and domestic use	БДС ISO 5667-5 БДС EN 150 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.*

* *Within the framework of its competence, the laboratory is authorised to determine all characteristics (column 3) by the indicated test methods (column 4) belonging to the product group (column 2) after verification/validation, provision of certified reference materials/reference materials and calibrated technical means. The laboratory maintains a detailed, dated list of products and characteristics belonging to the products and characteristics mentioned in the scope of accreditation. (Multicomponent Methods)*

Fixed scope references:

02/B/O3:2013	Method for the determination of the ozone content of natural mineral and table water
01/ДЕЗ/Хл;2009	Method for the determination of the active chlorine content in

	<i>biocidal preparations</i>
<i>01/ICP/MS/ECB;2014</i>	<i>Method for the determination of elements in waters</i>
<i>02/GC/FID/MET:2013</i>	<i>Method for the determination of methyl alcohol in wiper fluids</i>
<i>01/ GC/FID /ТОЛ:2017</i>	<i>Method for the determination of toluene in paints and adhesives by headspace gas chromatographic analysis</i>
<i>08/AAC/Ni:2014</i>	<i>Method for the determination of nickel content in water by atomic absorption flame spectrometry</i>
<i>03/GC/MS/Пест:2021</i>	<i>Method for the determination of pesticides in water by GC/MS</i>
<i>01/LC/MS/MS/Пест:2021</i>	<i>Method for the determination of pesticides in water by LC/MS/MS</i>
<i>03/B/Mg:2021</i>	<i>Method for the determination of magnesium in waters</i>

I ORDER

To issue the certificate of accreditation reg. № 249 ЛИ/18.08.2022, valid until 18.08.2026, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received at the office of EA BAS by the Manager / representative of the Sofia Regional Health Inspectorate, the head of Testing Laboratory Complex, at Sofia Regional Health Inspectorate 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 № 249 ЛИ/10.03.2021 and its enclosure – EA BAS order reg. № A 139/10.03.2021 as an integral part of it, valid until 28.02.2022, with extended validity period by EA BAS order reg. № A 137/23.02.2022.

This order shall be notified to the Sofia Regional Health Inspectorate, within 3 (three) days from its issuance.

Eng. Irena Borislavova
Executive Director of EA BAS

