



REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 395

Sofia, 11.12.2025

Pursuant to Art. 10, para. 1, item 2a, item 3, art. 30, par. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 98/75 ЛИ/ПО/01.04.2025, assessment report reg. № 98/75 ЛИ/ПО/8/В/12.09.2025, statement of the Accreditation Commission reg. № 98/75 ЛИ/ПО/10/В/10.11.2025 and EA BAS order reg. № A 394/11.12.2025, I hereby

EXTEND THE SCOPE OF ACCREDITATION

OF

ECO-CONSULT-ENGINEERING LTD

LABORATORY FOR ENVIRONMENT COMPONENT ANALYSIS

Management and laboratory address:

8010 Bургas, Slaveykov Residential Complex, Bl. 126, Ent. A, Floor 3, Office 9

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.	Water, waste (1); Water, surface (2); Water, coastal sea (3); Water, drinking (4); Water, lake (5); Water, ground (6);	1.1. Active reaction (pH)	БДС EN ISO 10523 (1), (2), (3), (4), (5), (6) БДС 3424 (4) EPA 150.1 (1), (2), (3), (4), (5), (6)
		1.2. Temperature	БДС 17.1.4.01 (1) VILM 34:2021 (1), (2), (3), (4), (5), (6)
		1.3. Total dry solids	БДС 17.1.4.04 (1), (2), (5), (6)
		1.4. Dissolved solids	

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
		1.5. Suspended solids	БДС 17.1.4.04 (1), (2), (5), (6) БДС EN 872 (1), (2), (4), (5), (6)
		1.6. Undissolved solids	
		1.7. Chloride	БДС 17.1.4.24 (1), (2), (5), (6) ISO 9297 (1), (2), (4), (5), (6) БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.8. Total chlorine	БДС EN ISO 7393-3 (1), (2), (4), (5), (6)
		1.9. Free chlorine	VILM 21:2007 (1), (2), (4), (5), (6)
		1.10. Residual free chlorine	
		1.11. Chemical oxygen demand (COD)	ISO 15705 (1), (2), (4), (5), (6)
		1.12. Bichromatic oxidation	
		1.13. Ammonium	БДС ISO 7150-1 (1), (2), (4), (5), (6)
		1.14. Ammonium ions	БДС ISO 7150-1 (1), (2), (4), (5), (6)
		1.15. Ammoniacal nitrogen	VILM 29:2011 (1), (2), (3), (4), (5), (6)
		1.16. Nitrites	БДС EN 26777 (1), (2), (4), (5), (6)
		1.17. Nitrite-nitrogen	VILM 30:2011 (1), (2), (3), (4), (5), (6) БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.18. Nitrates	БДС ISO 7890-3 (1), (2), (5), (6)
		1.19. Nitrate-nitrogen	VILM 11:2006 (1), (2), (4), (5), (6) VILM 15:2007 (3) БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.20. Sulphides	БДС 17.1.4.09 (1), (2), (5), (6)
		1.21. Hydrogen sulphide	VILM 16:2006 (1), (2), (4), (5), (6)
		1.22. Hexavalent chromium	ISO 11083 (1), (2), (4), (5), (6); VILM 03:2005 (1), (2), (3), (4), (5), (6) БДС 17.1.4.17 (1), (2), (5), (6)
		1.23. Trivalent chromium	VILM 03:2005 (1), (2), (3), (4), (5), (6) БДС 17.1.4.17 (1), (2), (5), (6)
		1.24. Total chromium	VILM 03:2005 (1), (2), (3), (4), (5), (6) БДС 17.1.4.17 (1), (2), (5), (6)
		1.25. Iron dissolved	БДС ISO 6332 (1), (2), (4),

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
		1.26. Iron total	(5), (6)
		1.27. Biochemical oxygen demand (BOD) ₅	БДС EN 1899-2 (1), (2), (3), (4), (5), (6) БДС EN ISO 5815-1 (1), (2), (3), (4), (5), (6) ISO 5815-2 (1), (2), (3), (4), (5), (6)
		1.28. Nitrogen total	БДС EN ISO 20236 (1), (2), (3), (4), (5), (6)
		1.29. Total bound nitrogen	
		1.30. Total Kjeldahl nitrogen	БДС EN 25663 (1), (2), (4), (5), (6) EPA 351.3 (2), (5)
		1.31. Petroleum products	VILM 01:2021 (1), (2), (3), (4), (5), (6) EPA 1664B (1), (2), (4), (5), (6) БДС EN ISO 9377-2 (1), (2), (5), (6)
		1.32. Hydrocarbon index (HI)	
		1.33. Phenols	БДС ISO 6439 (1), (2), (4), (5) VILM 20:2007 (1), (2), (5), (6)
		1.34. Phenol index	БДС ISO 6439 (1), (2), (3), (4), (5)
		1.35. Total phosphorus (Pt)	БДС EN ISO 6878 (1), (2), (3), (4), (5), (6) VILM 12:2006 (1), (2), (3), (4), (5), (6)
		1.36. Phosphorus such as phosphates (PO ₄ -P)	
		1.37. Phosphates (PO ₄)	БДС EN ISO 6878 (1), (2), (4), (4), (5), (6) VILM 12:2006 (1), (2), (3), (4), (5), (6) БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.38 Phosphates (such as P)	
		1.39 Orthophosphate	
		1.40. Element contents:	БДС EN ISO 11885 (1), (2), (4), (5), (6)
		1.40.1. Aluminium (Al)	
		1.40.2. Arsenic (As)	
		1.40.3. Antimony (Sb)	
		1.40.4. Barium (Ba)	
		1.40.5. Boron (B)	
		1.40.6. Selenium (Se)	
		1.40.7. Cadmium (Cd)	
		1.40.8. Potassium (K)	
		1.40.9. Cobalt (Co)	
		1.40.10. Manganese (Mn)	
		1.40.11. Molybdenum (Mo)	
		1.40.12. Sodium (Na)	
		1.40.13. Nickel (Ni)	

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
		1.40.14. Copper (Cu)	
		1.40.15. Zink (Zn)	
		1.40.16. Lead (Pb)	
		1.40.17. Silver (Ag)	
		1.40.18. Vanadium (V)	
		1.40.19. Tin (Sn)	
		1.40.20. Beryllium (Be)	
		1.40.21. Chrome (Cr)	
		1.40.22. Iron (Fe)	
		1.40.23. Calcium (Ca)	
		1.40.24. Magnesium (Mg)	
		1.40.25. Thallium (Tl)	EPA 6010C (1), (2), (4), (5), (6),
		1.40.26. Mercury (Hg)	VILM 28:2013 (1), (2), (4), (5), (6) EPA 6010C (1), (2), (4), (5), (6)
		1.41. Cyanides free	VILM 17:2006 (1), (2), (3), (4), (5), (6)
		1.42. Cyanides total	VILM 17:2006 (1), (2), (3), (4), (5), (6) БДС 17.1.4.14 (1), (2), (5), (6)
		1.43. Colour	БДС EN ISO 7887-Method A (2), (4), (5) БДС 17.1.4.01 (1) БДС 8451 (4)
		1.44. Odour	БДС 17.1.4.01 (1) БДС 8451 (4)
		1.45. Taste	БДС 8451 (4)
		1.46. Dissolved oxygen	БДС EN 25813 (1), (2), (3), (4), (5), (6) ISO 5813 (1), (2), (3), (4), (5), (6)
		1.47. Sulphates	БДС 17.1.4.03 (1), (2), (5), (6) VILM 31:2016 (1), (2), (3), (4), (5), (6) ISO 15923-1-Method (G) (1), (2), (4), (5), (6) БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.48. Sulphates such as sulphur	VILM 31:2016 (1), (2), (3), (4), (5), (6)
		1.49. Permanganate oxidation	БДС 17.1.4.16 (1), (2), (5), (6)
		1.50. Permanganate index	БДС EN ISO 8467 (2), (4), (5), (6)
		1.51. Total hardness	БДС ISO 6059 (2), (4), (5), (6) EPA 130.2 (1)

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
		1.52. Permanent (non-carbonate) hardness	БДС ISO 6059 (2), (4), (5), (6) БДС EN ISO 9963-1 (1), (2), (4), (5), (6)
		1.53. Temporary (carbonate) hardness	БДС EN ISO 9963-1 (1), (2), (4), (5), (6)
		1.54. Extractable substances	VILM 01:2021 (1), (2), (3), (4), (5), (6) EPA 1664B (1), (2), (4), (5), (6)
		1.55. Anionic surfactants (α -AS/SAS)	БДС 17.1.4.25 (1), (2), (5), (6) БДС EN 903 (1), (2), (4), (5), (6) ISO 7875-1 (1), (2), (4), (5), (6)
		1.56. Total alkalinity	БДС EN ISO 9963-1 (1), (2), (4), (5), (6)
		1.57. Composite alkalinity	
		1.58. Carbonates (such as CaCO_3)	БДС EN ISO 9963-1 (1), (2), (4), (5), (6)
		1.59. Hydrogen carbonates	БДС EN ISO 9963-1 (1), (2), (4), (5), (6)
		1.60. Calcium	БДС ISO 6058 (1), (2), (4), (5), (6)
		1.61. Magnesium	VILM 36:2024 (1), (2), (4), (5), (6)
		1.62. Fluorides	VILM 13:2006 (1), (2), (3), (4), (5), (6) БДС 16911 (4) БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.63. Fluorides (such as fluor)	
		1.64. Electrical conductivity	БДС EN 27888 (1), (2), (3), (4), (5), (6)
		1.65. Specific electrical conductivity	
		1.66. Total organic carbon (TOC)	VILM 22:2007 (1), (2), (4), (5), (6)
		1.67. Dissolved organic carbon	БДС EN 1484 (1), (2), (3), (4), (5), (6)
		1.68. Oils and fats	EPA 1664B (1), (2), (3), (4), (5), (6)
		1.69. Turbidity	БДС EN ISO 7027-1 (1), (2), (4), (5), (6)
		1.70. Bromates	VILM 02:2015 (4), (6)
		1.71. Adsorbable Organic Halides (AOX)	VILM 04:2016 (1), (2), (4), (5), (6)
		1.72. Bromides	БДС EN ISO 10304-1 (1), (2), (4), (5), (6)
		1.73. Organic nitrogen	VILM 37:2024 (1), (2), (4), (5), (6)
		1.74. Water level	ISO 21413 (6)

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
		1.75. Volatile organic compounds	БДС EN ISO 20595 (1), (2), (4), (5), (6)
		1.75.1. Vinyl chloride	VILM 40:2025 (1), (2), (4), (5), (6)
		1.75.2. 1, 2 Dichloroethane	
		1.75.3. Benzene	
		1.75.4. Tetrachloroethene and Trichloroethene	
		1.75.4.1. Tetrachloroethene	
		1.75.4.2. Trichloroethene	
		1.75.5. Trihalomethanes (total)	
		1.75.5.1. Chloroform	
		1.75.5.2. Bromoform	
		1.75.5.3. Bromodichloromethane	
		1.75.5.4. Dibromochloromethane	
		1.75.6. Carbon tetrachloride	
		1.75.7. Hexachlorobutadiene	
		1.76. Bisphenol A	БДС EN ISO 18857-2 (4), (6) VILM 40:2025 (4), (6)
		1.77. Epichlorohydrin	БДС EN 14207 (4), (6) VILM 40:2025 (4), (6)
		1.78. Polycyclic aromatic hydrocarbons (sum)	ISO 28540 (1), (2), (4), (5), (6) VILM 40:2025 (1), (2), (4), (5), (6)
		1.79. Polycyclic aromatic hydrocarbons	
		1.79.1. Naphthalene	
		1.79.2. Acenaphthene	
		1.79.3. Acenaphthylene	
		1.79.4. Fluorine	
		1.79.5. Phenanthrene	
		1.79.6. Anthracene	
		1.79.7. Fluoranthene	
		1.79.8. Pyrene	
		1.79.9. Benz[a]anthracene	
		1.79.10. Hryzen	
		1.79.11. Benzo[b]fluoranthene	
		1.79.12. Benzo[k]fluoranthene	
		1.79.13. Benzo[a]pyrene	

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
		1.79.14. Indeno [1,2,3-cd] pyrene	
		1.79.15. Dibenz[a,h]anthracene	
		1.79.16. Benzo(g h i)perylene	
		1.80. Pesticides (total)	БДС EN16693 (2), (4), (5), (6) VILM 40:2025 (1), (2), (4), (5), (6)
		1. 81. Pesticides:	
		1.81.1. Alachlor	
		1.81.2. Aldrin	
		1.81.3. Dieldrin	
		1.81.4. Endrin	
		1.81.5. Isodrin	
		1.81.6. 2,4' - DDE	
		1.81.7. 2,4' - DDD	
		1.81.8. 2,4' - DDT	
		1.81.9. 4,4' - DDE	
		1.81.10. 4,4' - DDD	
		1.81.11. 4,4' - DDT	
		1.81.12. Hexachlorobenzene	
		1.81.13. Hexachlorocyclohexane (total HCH)	
		1.81.13.1. Alpha-HCH	
		1.81.13.2. Beta-HCH	
		1.81.13.3. Delta-HCH	
		1.81.13.4. Gamma-HCH (lindane)	
		1.81.14. Pentachlorobenzene	
		1.81.15. Trichlorobenzene (total)	
		1.81.15.1. 1,2,3- Trichlorobenzene	
		1.81.15.2. 1,2,4- Trichlorobenzene	
		1.81.15.3. 1,3,5- Trichlorobenzene	
		1.81.16. Endosulfan I	
		1.81.17. Endosulfan II	
		1.81.18. Heptachlor	VILM 40:2025 (1), (2), (4), (5), (6)
		1.81.19. Heptachlor epoxide	
2.	Air, atmospheric - emissions	2.1. Nitric oxide (NO)	VILM 23:2016
		2.2. Nitrogen oxides (NOx)	VILM 23:2016

Type of the scope: flexible for part of the scope *			
Nº	Tested products	Type of test/ characteristic	Testing methods (standard/ validated method)
1	2	3	4
			БДС EN 14792
		2.3. Nitrogen dioxide (NO ₂)	VILM 23:2016
		2.4. Hydrogen sulphide (H ₂ S)	VILM 23:2016
		2.5. Sulphur dioxide (SO ₂)	VILM 23:2016 БДС EN 14791
		2.6. Carbon oxide (CO)	VILM 23:2016 БДС EN 15058
		2.7. Carbon dioxide (CO ₂)	VILM 23:2016
		2.8. Oxygen (O ₂)	VILM 23:2016 БДС EN 14789
		2.9. Hydrocarbons, expressed as total carbon	VILM 23:2016
		2.10. Methane (CH ₄)	VILM 23:2016 БДС EN ISO 25140
		2.11. Organic compounds expressed as total organic carbon (TOC)	БДС EN 12619
		2.12. Total volatile organic compounds (TVOC)	
		2.13. Methane hydrocarbons expressed as total organic carbon	БДС EN ISO 25140
		2.14. Non-methane hydrocarbons expressed as total organic carbon	VILM 38:2024
		2.15. Parameters of gaseous/air streams:	VILM 23:2016 ISO 10780
		2.15.1. Velocity	БДС EN ISO 16911-1
		2.15.2. Flowrate	ISO 10780 VILM 23:2016 БДС EN ISO 16911-1
		2.15.3. Temperature	БДС EN ISO 16911-1 VILM 23:2016
		2.15.4. Pressure	БДС EN ISO 16911-1
		2.15.5. Barometric pressure	VILM 23:2016
		2.15.6. Moisture	БДС EN 14790 VILM 23:2016
		2.16. Dust	БДС ISO 9096 БДС EN 13284-1
		2.17. Hydrogen (H ₂)	VILM 23:2016
		2.18. Formaldehyde	EPA 323
		2.19. Contents of elements in emissions / inorganic dust substances	БДС EN 14385
		2.19.1. Arsenic (As)	

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
		2.19.2. Cadmium (Cd)	
		2.19.3. Chrome (Cr)	
		2.19.4. Copper (Cu)	
		2.19.5. Manganese (Mn)	
		2.19.6. Nickel (Ni)	
		2.19.7. Lead (Pb)	
		2.19.8. Antimony (Sb)	
		2.19.9. Thallium (Tl)	
		2.19.10. Vanadium (V)	
		2.19.11. Cobalt (Co)	
		2.19.12. Tin (Sn)	БДС EN 14385 VILM 05:2016
		2.19.13. Tellurium (Te)	
		2.19.14. Zink (Zn)	
		2.19.15. Selenium (Se)	
		2.19.16. Mercury (Hg)	БДС EN 13211 VILM 05:2016
		2.20. Hydrogen fluoride	БДС 17.2.4.12 СД CEN/TS 17340
		2.21. Ammonium (NH ₃)	БДС 17.2.4.05 БДС EN ISO 21877
		2.22. Phenol	БДС 17.2.4.11
		2.23. Hydrogen chloride (HCl)	БДС EN 1911
		2.24. Sulphur trioxide (SO ₃)	БДС 17.2.4.09
		2.25. Aerosols of sulfuric acid	EPA 8
		2.26. Quality Assurance Level - 2 (QAL2)	БДС EN 14181
		2.27. Annual Surveillance Tests (AST)	
3.	Waste	3.1. Active reaction (pH)	БДС EN ISO 10523
		3.2. Electrical conductivity	БДС EN 27888
		3.3. Specific electrical conductivity	
		3.4. Loss on ignition	БДС EN 15935
		3.5. Dry solids	ISO 11465
		3.6. Moisture	БДС EN 12880
		3.7. Elements contents	БДС EN ISO 11885
		3.7.1. Arsenic (As)	
		3.7.2. Antimony (Sb)	
		3.7.3. Barium (Ba)	
		3.7.4. Selenium (Se)	
		3.7.5. Cadmium (Cd)	
		3.7.6. Molybdenum (Mo)	
		3.7.7. Nickel (Ni)	

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
		3.7.8. Copper (Cu)	
		3.7.9. Lead (Pb)	
		3.7.10. Zinc (Zn)	
		3.7.11. Vanadium (V)	
		3.7.12. Calcium (Ca)	
		3.7.13. Magnesium (Mg)	
		3.7.14. Phosphorus (P)	
		3.7.15. Sulphur (S)	
		3.7.16. Cobalt (Co)	
		3.7.17. Manganese (Mn)	
		3.7.18. Boron (B)	
		3.7.19. Sodium (Na)	
		3.7.20. Potassium (K)	
		3.7.21. Chromium (Cr)	
		3.7.22. Iron (Fe)	БДС ISO 6332 БДС EN ISO 11885
		3.7.23. Mercury (Hg)	VILM 28:2013 EPA 6010C
		3.7.24. Thallium (Tl)	EPA 6010C
		3.8. Bromides	БДС EN ISO 10304-1
		3.9. Hexavalent chromium	VILM 03:2005 ISO 11083
		3.10. Sulphur sulphate	VILM 31:2016
		3.11. Sulphur sulphide	
		3.12. Chlorides	ISO 9297 БДС EN ISO 10304-1
		3.13. Sulphates	VILM 31:2016 БДС ISO 11048 БДС EN ISO 10304-1
		3.14. Fluorides	VILM 13:2006 БДС EN ISO 10304-1
		3.15. Nitrates	VILM 11:2006 БДС EN ISO 10304-1
		3.16. Nitrites	VILM 30:2011 БДС EN ISO 10304-1
		3.17. Phosphates	VILM 12:2006 БДС EN ISO 10304-1
		3.18. Kjeldahl nitrogen	БДС EN 16169
		3.19. Cyanides free	VILM 17:2006
		3.20. Cyanides total	БДС 17.1.4.14
		3.21. Phenols	БДС ISO 6439
		3.22. Phenol index	VILM 20:2007
		3.23. Total carbon (TC)	VILM 22:2007
		3.24. Total organic carbon	БДС EN 1484

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
		(TOC)	БДС EN 15936
		3.25. Dissolved organic carbon (DOC)	VILM 22:2007 БДС EN 1484
		3.26. Dissolved solids	БДС 17.1.4.04, cl. 3
		3.27. Total of dissolved solids	БДС EN 15216
		3.28. Acid neutralization capacity (ANC)	СД CEN/TS 15364
		3.29. Ammonium (NH ₄)	БДС ISO 7150-1
		3.30. Petroleum products	БДС EN 14345
		3.31. Hydrocarbons (TPH)	БДС EN 14039
4.	Sound	4.1. Equivalent sound power level	БДС ISO 8297 VILM 33:2011
		4.2. Level of total sound power	БДС ISO 8297 VILM 33:2011
5.	Soils (1), sludge (2), treated biowaste: - compost; - stabilized organic fraction; - fermentation product; - organic soil improver (3)	5.1. Petroleum products	БДС EN 14345 (1), (2), (3)
		5.2. Hydrocarbons (TPH)	БДС EN ISO 16703 (1), (2), (3)
		5.3. Active reaction (pH)	БДС EN ISO 10390 (1), (2), (3)
		5.4. Electrical conductivity	СД CEN/TS 15937 (1), (2), (3)
		5.5. Specific electrical conductivity	БДС EN 13038 (3) VILM 39:2024 (3)
		5.6. Salts contents	VILM 39:2024 (3)
		5.7. Dry solid	БДС EN 15934 (1), (2), (3)
		5.8. Moisture	
		5.9. Loss of ignition	БДС EN 15935 (1), (2), (3)
		5.10. Contents of organic substance	БДС EN 15936 (1), (2), (3) БДС 11302 (1), (2), (3)
		5.11. Total organic carbon (TOC)	ISO 10694 (1), (2), (3)
		5.12. humus	
		5.13. Total carbon (TC)	
		5.14. Total nitrogen (Kjeldahl)	БДС EN 16169(1), (2), (3)
		5.15. Extractable forms of:	БДС ISO 7150-1 (1), (2), (3)
		5.15.1 Ammoniacal nitrogen (NH ₄ -N)	
		5.15.2 Nitrite-nitrogen (NO ₂ -N)	БДС EN 26777 (1), (2), (3)
		5.15.3 Nitrite-nitrogen (NO ₃ -N)	БДС ISO 7890-3 (1), (2), (3)
		5.16. Elements contents:	БДС EN ISO 22036 (1), (2), (3)
		5.16.1. Arsenic (As)	
		5.16.2. Antimony (Sb)	
		5.16.3. Selenium (Se)	

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
		5.16.4. Cadmium (Cd)	
		5.16.5. Nickel (Ni)	
		5.16.6. Copper (Cu)	
		5.16.7. Lead (Pb)	
		5.16.8. Zinc (Zn)	
		5.16.9. Manganese (Mn)	
		5.16.10. Calcium (Ca)	
		5.16.11. Calcium oxide (CaO)	
		5.16.12. Magnesium (Mg) total	
		5.16.13. Phosphorus (P) total	
		5.16.14. Sulphur (S) total	
		5.16.15. Cobalt (Co)	
		5.16.16. Sodium (Na)	
		5.16.17. Potassium (K) total	
		5.16.18. Chromium (Cr)	
		5.16.19. Iron (Fe)	
		5.16.20. Aluminium (Al)	
		5.16.21. Boron (B)	
		5.16.22. Mercury (Hg)	
		5.17. Phosphorous	БДС ISO 11263 (1), (2), (3) VILM 35:2021 (1), (2), (3)
		5.18. Phosphorous – exchangeable forms recalculated as P ₂ O ₅	
		5.19. Phosphates	
		5.20. Water-soluble sulphates, recalculated as sulphur	VILM 31:2016 (1), (2), (3) БДС ISO 11048 (1), (2), (3)
		5.21. Sulphates	
		5.22. Impurities	СД CEN/TS 16202 (1), (2), (3)
		5.23. Stones	
		5.24. Sodium, exchangeable forms	БДС EN ISO 11260 (1), (2), (3)
		5.25. Potassium, exchangeable forms recalculated as K ₂ O	
		5.26. Calcium, exchangeable forms	
		5.27. Magnesium, exchangeable forms	
		5.28. Density	
		5.29. Bulk density	БДС EN 12580 (3)
		5.30. Particle size	
		5.31. Particle maximum size	

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
		5.32. Reaction of plants (Growth test)	БДС EN 16086-1 (3)
		5.33. Weed seeds, part of plants able to grow	СД CEN/TS 16201 (3)

To perform sampling of:

Type of the scope: flexible *		
№	Product	Sampling method (standard/ validated methods)
1	2	3
1.	Air, atmospheric - emissions	БДС EN 13284-1 БДС ISO 9096 БДС EIM 14790 EPA 323- item 6÷6.6, item 7.1 VILM 05:2016, item 8 БДС 17.2.4.12, cl. 2 БДС 17.2.4.05, according to the annex БДС EN 14791, cl. 6, cl. 7 БДС EN 1911, cl. 5 БДС 17.2.4.11, according to the annex БДС 17.2.4.09, according to the annex EPA 8, item 8 БДС EN 13211, cl. 5.3÷5.12; cl. 7 СД CEN/TS 17340, cl. 6, cl. 7 БДС EN ISO 21877, cl. 8 БДС EN 1948-1, cl. 5.1.2 БДС EN 1948-4+A1, cl. 8.1
2.	Soils	БДС 17.4.5.01, БДС ISO 18400-102
3.	Waste	ASTM D5658 ASTM D5679 СД CEN/TR 15310-2
4.	Water, lake	БДС ISO 5667-4
5.	Water, drinking	БДС ISO 5667-5
6.	Water, surface	БДС EN ISO 5667-6
7.	Water, coastal sea	БДС ISO 5667-9
8.	Water, waste	БДС ISO 5667-10
9.	Water, ground	БДС ISO 5667-11
10.	Sludge	БДС EN ISO 5667-13
11.	Treated biowaste	БДС EN 12579; БДС EN ISO 5667-13

***Flexible scope:** The introduction of a new version of the standard/document or standards/documents, which replace them, is permitted. The laboratory keeps an updated list of the standards and their dated versions.

Fixed scope reference:

- VILM 01:2021 Water quality. Determination of the extractable substances and petroleum products in water
- VILM 02:2015 Water quality. Determination of the contents of bromates in water.
- VILM 03:2005 Water quality. Determination of the contents of chromium in water/water extract of waste/eluates.
- VILM 04:2016 Water quality. Determination of the contents of Adsorbable Organic Halides (AOX) in water.
- VILM 05:2016 Stationary emission sources. Determination of elements contents.
- VILM 11:2006 Water quality. Determination of the contents of nitrates and nitrate nitrogen in water/water extract of waste/eluates.
- VILM 12:2006 Water quality. Determination of the contents of phosphates and total phosphorus in water/water extract of waste/eluates.
- VILM 13:2006 Water quality. Determination of the contents of fluorides in water/water extract of waste/eluates.
- VILM 15:2007 Water quality. Determination of the contents of nitrate nitrogen and nitrates in sea water.
- VILM 16:2006 Water quality. Determination of the contents of sulphides and hydrogen sulphide in water/water extract of waste/eluates.
- VILM 17:2006 Water quality. Determination of the contents of cyanides in water/water extract of waste/eluates.
- VILM 20:2007 Water quality. Determination of the contents of phenol in water/water extract of waste/eluates.
- VILM 21:2007 Water quality. Determination of the contents of free (residual) chlorine in water/water extract of waste/eluates.
- VILM 22:2007 Water quality. Determination of the contents of total organic carbon in water/water extract of waste/eluates
- VILM 23:2016 Stationary emission sources. Measurement of harmful substances (pollutants) and parameters of the gaseous streams
- VILM 28:2013 Water quality. Mercury determination using ICP - OES in water/water extract of waste/eluates.
- VILM 29:2011 Water quality. Determination of ammonium ions and ammoniacal nitrogen in water/water extract of waste/eluates.
- VILM 30:2011 Water quality. Determination of nitrites and nitrite nitrogen in water/water extract of waste/eluates.
- VILM 31:2016 Water quality. Determination of sulphates and their forms in water and eluates.
- VILM 33:2011 Validated intralaboratory method for determination of total sound power, emitted in the surrounding environment by an industrial enterprise and determination of the sound level on the site of impact
- VILM 34:2021 Water quality. Method for measuring the temperature in water.
- VILM 35:2021 Soils, sediments and treated biowaste. Determination of exchangeable forms of phosphorus.
- VILM 36:2024 Water quality. Determination of magnesium in water.
- VILM 37:2024 Water quality. Determination of organic nitrogen in water.
- VILM 38:2024 Stationary emission sources. Measurement of non-methane hydrocarbons expressed as total organic carbon.
- VILM 39:2024 Treated biowaste. Determination of electrical conductivity and salt content.
- VILM 40:2025 Water quality. Determination of organic pollutants in water.

I ORDER

To issue the certificate of accreditation reg. № 75 ЛИ/11.12.2025, valid until 29.11.2028, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of ECO-CONSULT-ENGINEERING LTD, the head of the Laboratory for Environment Component Analysis at ECO-CONSULT-ENGINEERING LTD, 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 № 75 ЛИ/29.11.2024, and its enclosure, EA BAS order reg. № A 442/29.11.2024.

This order shall be notified to ECO-CONSULT-ENGINEERING LTD, within 3 (three) days from its issuance.

Eng. Mariya Ilieva - Yordanova

*Executive Director
of Executive agency Bulgarian accreditation service*

