Hellenic Accreditation System

Annex F1/15 to the Certificate No. 580-6

SCOPE of ACCREDITATION

of the

Laboratory of Environmental Analysis

of the

Institute of Nanoscience and Nanotechnology

of the

National Center for Scientific Research "Demokritos"

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Chemical testing		
1.Drinking water	1.Determination of Polycyclic Aromatic Hydrocarbons (PAHs) (5) [benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i) perylene, indeno(1,2,3-c,d)pyrene]	In-house method ΜΔ.01 using HPLC – FLD and LC-MS/MS based on U.S. EPA 550.1 ''Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-solid extraction and HPLC with coupled ultraviolet and fluorescence detection''
2.Surface water	1.Determination of Polycyclic Aromatic Hydrocarbons (PAHs) (8) [benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i) perylene, indeno(1,2,3-c,d)pyrene, naphthalene, anthracene, fluoranthene]	

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
3.Drinking water, surface water	Determination of cyanotoxins: Anatoxin-a, Cylindrospermopsin, [D-Asp3] Microcystin-RR, Microcystin-RR, [D-Asp3] Microcystin-LR, Microcystin-LR, Microcystin-YR, Microcystin-HtyR, Microcystin-LA, Microcystin-LY	*In house method (MΔ.05)* using LC-MS/MS.
4. Biomass	Determination of cyanotoxins: [D-Asp3] Microcystin-RR, Microcystin-RR, Microcystin-LR, Microcystin-YR, Microcystin-HtyR, Microcystin-WR, Nodularin (NOD)	*In house method (MΔ.05)* using LC-MS/MS.
5. Soil	Determination of explosives: 2,4,6-Trinitrotoluene (TNT) 2-Amino-4,6-dinitrotoluene (2-ADNT) 4-Amino-2,6-Dinitrotoluene (4-ADNT) 2,4-Dinitrotoluene (2,4-DNT) 2,6-Dinitrotoluene (2,6-DNT) 1,3-Dinitrobenzene (1,3-DNB) 1,3,5-Trinitrobenzene (TNB) 4-Nitrotoluene (4-NT) 3-Nitrotoluene (3-NT) 2-Nitrotoluene (2-NT) Hexogen (RDX) Octogen (HMX) Tetryl Styphnic acid	*In-house method (MΔ.06): "Determination of explosives using HPLC-PDA" based on ISO 11916-1 & USEPA 8330*

Site of assessment: **Permanent laboratory premises, Agia Paraskevi, 15310, Attiki, Greece.**
Approved signatories: **A. Hiskia, Th. Triantis.**
This scope of Accreditation replaces the previous one dated 03.06.2025.
The Accreditation Certificate No. **580**-6, to ELOT EN ISO/IEC 17025:2017, is valid until 16.07.2030.

Athens, 27.06.2025

Konstantinou Evagggelos-Apostolos

CEO of ESYD