HELLENIC ACCREDITATION SYSTEM

Annex F1/A26 to the Certificate No. **192**-8

SCOPE of ACCREDITATION

of the

Laboratory at Galatsi

of the

Water Quality Control Department

of the

Planning and Supporting Operations for Water Sector Division

of the

Athens Water Supply & Sewerage Company S.A. (EYDAP)

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Chemical Tests		
Drinking water, surface water, brackish water and sea water.	1.Determination of conductivity	Method 2510 B (APHA, Standard Methods 24th ed., 2023)
	2.Determination of nitrite	*In-house method* (O504_10_31) based on APHA 4500 NO_2, B, Standard Methods 24th ed., 2023 (discrete analysis with photometric detection)
Drinking water	Determination of free chlorine	*In-house method* (O504_10_48) based on APHA 4500-Cl G 24th ed., 2023) and on ISO 7393-2:2017
Drinking water and surface water	1.Detrmination of pH	Method 4500-H, B (APHA, Standard Methods 24th ed., 2023)
	2.Determination of turbidity	Method 2130 B (APHA, Standard Methods 24th ed., 2023)
	3.Determination of aluminium	*In-house method* (O504_10_32) based on APHA 3500-Al, B, Standard Methods 24th ed., 2023 (discrete analysis with photometric detection)
	4.Determination of fluoride	*In-house method* (O504_10_45) based on ISO/TS 15923-2:2017 (discrete analysis with photometric detection)
	5.Determination of chloride	Method ISO 15923-1:2013 (discrete analysis with photometric detection)

Drinking water and surface water (continued)	6. Determination of bromide, chlorite and chlorate	In-house method (O504_10_14) based on APHA 4110 B and D (Standard Methods 24th ed., 2023) (Ion-chromatography method)
	7. Determination of nitrate	*In-house method* (O504_10_38) based on ISO 15923-1:2013 (discrete analysis with photometric detection)
	8. Determination of orthophosphate	*In-house method* (O504_10_40) based on ISO 15923-1:2013 (discrete analysis with photometric detection)
	9. Determination of sulphate	*In-house method* (O504_10_41) based on ISO 15923-1:2013 (discrete analysis with photometric detection)
	10. Determination of total alkalinity	*In-house method* (O504_10_35) based on Methods for the Examination of Waters and Associated Materials. The determination of Alkalinity and Acidity in Water 1981 (discrete analysis with photometric detection)
	11. Determination of calcium ions	Method ISO/TS 15923-2:2017 (discrete analysis with photometric detection)
	12. Determination of magnesium ions	Method ISO/TS 15923-2:2017 (discrete analysis with photometric detection)
	13. Determination of color	*In-house method* (O504_10_34) based on APHA 2120 Color C, Standard Methods 24th ed., 2023 (discrete analysis with photometric detection)
	14. Determination of ammonium	*In-house method* (O504_10_33) based on ISO 15923-1:2013 (discrete analysis with photometric detection)
	15. Determination of hardness	*In-house method* (O504_10_20) based on APHA 2340 B Hardness by calculation, Standard Methods 24th ed., 2023 (discrete analysis with photometric detection)
	16. Determination of cyanide	*In-house method* (O504_10_53) based on HACH APP-PHM-0007
Microbiological Tests		
Drinking water	1.Enumeration of *Escherichia coli* and coliform bacteria 2.Enumeration of *Escherichia coli* and coliform bacteria	ISO 9308-1 : 2014 ISO 9308-2 : 2012
	3.Detection and enumeration of intestinal enterococci	ISO 7899-2 : 2000
	4.Enumeration of *Clostridium perfringens*, (spores included)	ISO 14189 : 2013
	5.Enumeration of culturable microorganisms at 36 ºC and 22 ºC	ISO 6222:1999

Drinking water and surface water	Detection of *Salmonella spp*	ISO 19250: 2010
Surface water	Detection and enumeration of enterococci	Method 9230D (APHA, Standard Methods 24th ed.,2023)
Sensory tests		
Drinking Water of EYDAP's water distribution network	Taste & Odor – Qualitative simplified procedures	EN 1622:2006-ANNEX C
Chemical and microbiological parameters: drinking water and untreated water intended for human consumption.	Opinions and interpretations regarding water quality, potential impacts on public health and aquatic ecosystems, variations in quality parameters, and their significance in the drinking water management cycle.	*In-house procedure* (O510_01_02) based on EA-4/23 INF:2025
Sampling		
Drinking water	Sampling for microbiological and chemical tests	Standard Methods for the Examination of Water and Wastewater, (24th ed) ISO5667-1:2020 ISO5667-3:2018 ISO5667-4:2016 ISO5667-5:2006 ISO5667-6:2014 ISO5667-11:2009 ISO5667-14:2014 ISO19458:2006

Site of assessment : **Laboratory of Galatsi permanent premises, 156 Oropou str., Galatsi, Attiki.**
Approved signatories: **D. Tsorova, A. Kagiara, T. Kaloudis,A. Gialleli, E. Konsta, A. Thanasoulia.**

This Scope of Accreditation replaces the previous one dated 07.03.2025.
The Accreditation Certificate No **192**-8, to ELOT ISO/IEC 17025:2017, is valid until 10.01.2030.

Athens, 29.07.2026

Konstantinou Evangelos Apostolos
CEO of ESYD

HELLENIC ACCREDITATION SYSTEM

Annex F1/B21 to the Certificate No. **192**-8
SCOPE of ACCREDITATION
of the
Laboratory at Acharnes
of the
Water Quality Control Department
of the
Planning and Supporting Operations for Water Sector Division
of the
Athens Water Supply & Sewerage Company S.A. (EYDAP)

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Chemical Tests		
Drinking water and surface water	1. Determination of metals: Cd, Cr, Cu, Fe, Mn, Ni, B, K, Na	ISO 11885:2007
	2. Determination of metals: Be, B, Na, Mg, K, Ca, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Ag, Cd, Sn, Sb, Ba, Hg, Pb, U	ISO 17294-1 : 2024 ISO 17294-2 : 2023
Drinking water	1.Determination of Trihalomethanes (THM) and Volatile Organic Compounds (VOC): a) THM: chloroform, bromoform, dibromochloromethane, bromodichloromethane, total trihalomethanes. b) VOCs: benzene, 1,2-dichloroethane, tetrachoroethene, ~~and~~ trichloroethene, sum of tetrachoroethene and trichloroethene bromochloromethane, dibromomethane, toluene, 1,2-dibromoethane, chlorobenzene, styrene, bromobenzene, n-butyl benzene, hexachlorobutadiene, naphthalene, 1,1-dichloroethane, 1,1-dichloroethene, 1,1,2-trichloroethane, 1,1,2,2-tetrachloroethane, 1,2-dibromo-3-chloropropane, 1,2-dichloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3-dichloropropane,ethylbenzene, n-propylbenzene, o-xylene, p+m-xylenes, sec-butylbenzene, tert-butylbenzene	ELOT EN ISO 17943:2016 (HS-SPME-GC/MS)
Drinking water	2.Determination of Total Organic Carbon	*In-house method* (O504_10_45)

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
(continued)	(TOC)	based on ISO/DIS 20236:2024 and ELOT EN 1484:1997
	3. Determination of geosmin, 2-methylisoborneol and 2,4,6-trichloroanisole	*In-house method*, HS-SPME-GC-MS/MS or HS-SPME-GC-MS (O504_10_52)
	4. Determination of microcystins and cyanopeptides: Anabaenopeptin A, Anabaenopeptin B, Microcystin-LA, Microcystin-LF, Microcystin-LR, Microcystin-LW, Microcystin-LY, Microcystin-RR, Microcystin-YR, Microcystin-HtyR, Nodularin	*In house method* (O504_10_55) using LC-qTOF based on ISO 22104:2021
	5. Determination of pesticides residues: Carbofuran, Cycluron, Diethofencarb, Dimethomorph, Diuron, Fenhexamid Fenoxycarb, Fenuron, Fluometuron, Isoprocarb, Isoproturon, Linuron, Methomyl, Metobromuron, Monolinuron Myclobutanil, Neburon, Piperonyl butoxide, Pirimicarb, Promecarb, Siduron, Triflumuron Sum of pesticides	*In-house method* (O504_10_56) using LC-qTOF (TargetScreener method, Bruker)
	6. Determination of polycyclic aromatic hydrocarbons: benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene and their sum, benzo(a)pyrene	*In-house method* (O504_10_57) based on EPA method 550.1.
	7. Determination of haloacetic acids (HAA5) and their sum: Monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, dibromoacetic acid.	*In-house* (O504_10_60) using SPE-LC-qTOF
Drinking water and untreated water intended for human consumption	1. Determination of 17-b-estradiol, bisphenol A and nonylphenol	*In-house* (O504_10_59) using SPE-LC-qTOF
Surface water	1. Determination of Dissolved Organic Carbon (DOC)	*In-house method* (O504_10_45) based on ISO/DIS 20236:2024 and ELOT EN 1484:1997
Chemical parameters: drinking water and untreated water intended for human consumption.	Opinions and interpretations regarding water quality, potential impacts on public health and aquatic ecosystems, variations in quality parameters, and their significance in the drinking water management cycle.	*In-house procedure* (O510_01_02) based on EA-4/23 INF:2025

Site of assessment : **Laboratory of Acharnes permanent premises, Acharnes, Attiki.**
Approved signatories:**T. Kaloudis, A. Gialleli, A. Kagiara.**

This Scope of Accreditation replaces the previous one dated 07.03.2025.

The Accreditation Certificate No **192**-8, to ELOT EN ISO/IEC 17025:2017, is valid until 10.01.2030.

Athens, 29.07.2026

Konstantinou Evangelos Apostolos
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