Hellenic Accreditation System

Annex F1/11 to the Certificate No.**1088**-4

SCOPE of ACCREDITATION

of the

Unit of Food Microbiology, Water & Environment

of the

Laboratory of Clinical Microbiology and Microbial Pathogenesis

of the

Medical School Department, University of Crete

Materials / Products tested	Types of test / Properties measured	Applied standards / Techniques used
Microbiological Testing		
1. Food	1. Enumeration of β-glucuronidase positive *Escherichia coli*	ISO 16649-2:2001
	2. Enumeration of coagulase-positive Staphylococci (*Staphylococcus aureus* and other species)	ISO 6888-2:2021/Amd 1:2023
	3. Detection of non-typhi, non-paratyphi *Salmonella* spp.	ISO 6579-1:2017 /AMD1:2020
	4. Detection of *Listeria monocytogenes*	ISO 11290-1:2017
2. Water for human consumption, bottled table and mineral water, surface water and recreational waters	1. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	2.Enumeration of coliform bacteria	ISO 9308-1:2014/A1:2016
	3. Enumeration of Escherichia *coli*	ISO 9308-1:2014/A1:2016
	4. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
	5. Enumeration of culturable microorganisms at 22±2°C and 36±2°C	ISO 6222:1999
3. Water for human consumption, recreational waters and environmental waters	Enumeration of *Legionella* spp.	ISO 11731:2017 (παρ. 8.2.3 & 8.4.3.2)
4. Seawater	1. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	2. Enumeration of Escherichia *coli*	ISO 9308-1:2014/A1:2016

Materials / Products tested	Types of test / Properties measured	Applied standards / Techniques used
Chemical Testing		
1. Water for human consumption, bottled table and mineral water	1. Determination of pH	APHA* 4500, 24th Ed. 2023
	2. Determination of conductivity	APHA* 2510, 24th Ed. 2023
	3. Determination of total hardness	APHA* 2340-C, 24th Ed. 2023
	4. Determination of calcium	APHA* 3500-Ca, 24th Ed. 2023
	5. Determination of magnesium	APHA* 3500-Mg, 24th Ed. 2023
	6. Determination of ammonium	Merck NH4 14752
	7. Determination of sulfate	Merck SO4 01812
	8. Determination of nitrate	Merck NO3 09713
	8. Determination of nitrite	Merck NO2 14776
	10. Determination of fluorine	Merck F 00822
	11. Determination of chromium	Merck Cr 14758
	12. Determination of chloride	Merck Cl 14897
	13. Determination of residual chlorine	APHA* Cl G 24th Ed. 2023
	14. Determination of turbidity	ISO 7027-1:2016
	15. Determination of Alkalinity	APHA 2320-B, 24th Ed. 2023
	16. Determination of Iron	In house method based on APHA 3111, 24th Ed. 2023, AA 7000F
	17. Determination of Sodium	In house method based on APHA 3111, 24th Ed. 2023, AA 7000F
	18. Determination of potassium	In house method based on APHA 3111, 24th Ed. 2023, AA 7000F
2. Recreational waters (swimming pools)	1. Determination of pH	APHA* 4500, 24th Ed. 2023
	2. Determination of residual chlorine	APHA* Cl G 24th Ed. 2023
	3. Determination of Alkalinity	APHA 2320-B, 24th Ed. 2023
3. Wastewater	1. Determination of pH	APHA* 4500, 24th Ed. 2023
	2. Determination of residual chlorine	APHA* Cl G 24th Ed. 2023

Materials / Products tested	Types of test / Properties measured	Applied standards / Techniques used
Sampling		
Water for human consumption, ground water and water of swimming pools	Sampling for the determination of microbiological parameters	ISO 5667-1:2023 ISO 5667-3:2018 ISO 5667-5:2006 ISO 5667-11:2009 ISO 5667-14:2014 ISO 19458:2006, Directive 2006/7/EC Health Provision C1/443/73 (GG 87/B/24-1-73), as amended and in force

* *American Public Health Association*, *American Water Works Association*, *Water Environment Federation*, *"Standard Methods for the Examination of Water and Wastewater"*, *24th Edition*, *2023*

Site of assessement: **Permanent Laboratory premises – Unit of Microbiology of Food, Water & Environment, Level 3D, School of Medicine, University of Crete, P.C. 71110, Stavrakia, Heraklion Crete**

Approved signatories: **Anna Psaroulaki, Christos Panoulis, Fotini Tziri**

This Scope of Accreditation replaces the previous one, dated 16.09.2025.
The Accreditation Certificate No. **1088**-3, according to ELOT EN ISO/IEC 17025:2017, has been renewed until 16.03.2030.

Athens, 27th of April 2026

Konstantinou Evangelos Apostolos
CEO of ESYD