Hellenic Accreditation System

Annex F1/19 to the Certificate No. **432**-5

SCOPE of ACCREDITATION

of the

Testing Laboratory

“METROCHIMIKI”- Ch. Chondrogiannis P.C.

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Chemical Tests		
1. Drinking water, surface water, sea water and swimming pool water	1. Determination of pH	APHA* 4500-H^+ B
	2. Determination of Color	APHA* 2120 C
	3. Determination of Turbidity	In –house method (OE504A-4)
	4.Determination of Alkalinity	APHA 2320 B 4a,4d
2. Drinking water, surface water	Determination of Nitrates	In –house method (OE504A-9)
3. Drinking water, surface water, and swimming pool water	Determination of Conductivity	APHA* 2510 B
4. Drinking water, swimming pool water and waste water	1. Determination of Free Chlorine	In-house method (OE504A-7)
	2. Determination of Free Chlorine on site	In-house method (OE504A-7b)
5. Drinking water, surface water and waste water	1. Determination of Total Nitrogen	In-house method (OE504A-26)
	2. Determination of Total Phosphorus	In-house method (OE504A-28)

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
6. Waste water	Determination of COD	In-house method (OE504A-37)
Microbiological Testing		
Drinking water, surface water, swimming pool water, sea water	1. Enumeration of *Escherichia coli* and coliform bacteria	ISO 9308-1:2014/ amd:1 2016
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
Drinking water surface water and swimming pool water	1. Enumeration of culturable micro-organisms at 22±2 ºC and at 36±2 ºC	ISO 6222:1999
	2. Enumeration of *Legionella*	ISO 11731:2017 Procedure: 1 Media: A and B Procedures: 5, 7 Media: A and C (GVPC) Procedure: 8, 9, 10 Media: A and C (GVPC)
Food and animal feeding stuffs	1. Enumeration of beta-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	2. Enumeration of coagulase – positive staphylococci (*Staphylococcus aureus* and other species)	ISO 6888-1:2021
	3. Enumeration of total anaerobic microorganisms at 30˚C	ISO 4833-1:2013
	4. Detection and enumeration of *Enterobacteriaceae*	ISO 21528-2:2017
	5 Detection of non-typhi, non-paratyphi *Salmonella spp*	ISO 6579-1:2017
	6. Detection of *Listeria monocytogenes*	ISO 11290-1:2017
	7. Enumeration of *Listeria monocytogenes*	ISO 11290-2:2017
Sampling		
Drinking water, surface water, swimming-pool water, waste water.	1. Determination of chemical parameters	ISO 5667-1:2007 ISO 5667-3:2018 ISO 5667-4:2016 ISO 5667-5:2006 ISO 5667-11:2009 ISO 5667-14:2016 ISO 5667-15:2011
Drinking water, surface water, swimming-pool water	2. Determination of microbiological parameters	ISO 19458:2006 ISO 5667-1:2007 ISO 5667-3:2018 ISO 5667-4:2016 ISO 5667-5:2006

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
		ISO 5667-11:2009 ISO 5667-14:2016 Directive 2006/7/EC

**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 – Emporiko Kentro Alepou, Corfu, Greece**
Approved signatories: **T. Bali, Ch. Balos, Ch. Chondrogiannis, A. Chondrogiannis**

This Scope of Accreditation replaces the previous one, dated 22.09.2023.
The Accreditation Certificate No. **432**-5, according to ELOT EN ISO/IEC 17025:2017, is valid until 16.06.2029.

Athens, 31st of May 2024

Christos Nestoras
CEO of ESYD