Hellenic Accreditation System

Annex F1/12 to the Certificate No. **1061**-3

SCOPE OF ACCREDITATION

of the Testing Laboratory

"ICMEA"

Institute of Chemical, Microbiological and Environmental Analysis

Dr. Sidirelli M. & Co G.P.

Materials / Tested products	Type of Test / Measured properties	Applied Standards / Techniques used
Chemical Tests		
1. Drinking water and water for human consumption, drilling water, sea water, surface water, ground water, swimming pool water, wastewater & wastes	1. Determination of pH	ISO 10523:2008
	2. Determination of electrical conductivity	ISO 7888:1985
	3. Determination of NH_3	MERCK 114752
	4. Determination of Iron	MERCK 114761
2. Drinking water and water for human consumption, drilling water, surface water, swimming pool water, wastewater & wastes	1. Determination of chlorides	MERCK 114897
	2. Determination of nitrates	MERCK 114776
	3. Determination of nitrites	MERCK 109713
	4. Determination of total nitrogen	APHA 4500 N-B, 24th Edition 2022
	5. Determination of manganese	MERCK 114770
3. Drinking water and water for human consumption, drilling water, surface water, wastewater & wastes	Determination of Chemical Oxygen Demand, (COD)	ISO 15705:2002
4. Drinking water	Determination of phosphates	MERCK 114848

Materials / Tested products	Type of Test / Measured properties	Applied Standards / Techniques used
5. Drinking water, surface water, wastewater & wastes	Determination of total P	MERCK 114687 & 114848
6. Wastewater & Wastes	Determination of BOD_5	ISO 5815-1:2019 ISO 5815-2:2003
Microbiological Tests		
1. Drinking water and sea water, surface water, swimming pool water	1. Enumeration of culturable microorganisms at 22 ± 2 °C and at 36 ± 2 °C	ISO 6222:1999
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	3. Detection and enumeration of Escherichia coli and coliforms	ISO 9308-1:2014
	4. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
2. Drinking water	Enumeration of *Legionella* spp	ISO 11731: 2017 (Matrix A-procedure 5,7-medium A, C)
3. Wastewater produced by a sewage treatment plant/installation	Detection and enumeration of Escherichia coli and coliforms	ISO 9308-1:2014
4. Food and animal feed	1.Horizontal method for the enumeration of coliforms	ISO 4832:2006
	2. Enumeration of β-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	3. Enumeration of *Enterobacteriaceae*	ISO 21528-2:2017
	4. Enumeration of coagulase-positive staphylococci (S*taphylococcus aureus* and other species)	ISO 6888-1:2021 / Amd 1:2023
	5. Detection of presence of *Salmonella enterica serovars* of somatic groups A-E	Reveal 2.0 Salmonella Test System (Neogen Corporation) Validation Certificate AOAC 960801
	6. Detection of presence of *Listeria spp.* (except *L. gravi*)	Reveal 2.0 Listeria Test System (Neogen Corporation) Validation Certificate AOAC 041101

Materials / Tested products	Type of Test / Measured properties	Applied Standards / Techniques used
Sampling		
Drinking water and water for human consumption, drilling water, sea water, surface water, ground water, swimming pool water, wastewater & wastes	Sampling for microbiological parameters	ISO 19458:2006
		ISO 5667-1:2023
		ISO 5667-3: 2024
		ISO 5667-4:2016
		ISO 5667-5:2006
		ISO 5667-9:1992
		ISO 5667-10:2020
		ISO 5667-14:2014

Site of assessment: **Permanent laboratory premises – 24 Hellinikis Dimokratias, 65201, Kavala, Greece**
Approved signatories: **M. Sidirelli**

This scope of Accreditation replaces the previous one, dated 26.09.2024.
The Accreditation Certificate No. **1061**-3, according to ELOT EN ISO/IEC 17025:2017, has been extended until 26.09.2029.

Athens, 11th of November 2024

Konstantinos Kourtalis
Chairman of ESYD