Hellenic Accreditation System

Annex F1/7 to the Certificate No. **1050**-3

SCOPE of ACCREDITATION
of
«IONLAB» Testing Laboratory

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Chemical testing		
1. Drinking water, surface and swimming pool water	1. Determination of electrical conductivity	APHA* 2510 B
	2. Determination of pH	APHA* 4500-H^+
	3. Determination of alkalinity	APHA* 2320
	4. Determination of fluoride	HACH LCK 323 (SPADNS Method)
2. Drinking and surface water	1. Determination of total hardness	APHA* 2340 C
	2. Determination of chloride	ISO 9297:1989
	3. Determination of ammonium	APHA 4500-NH3 F
	4. Determination of sulphate	APHA 4500 SO_4^{2-} E
	5. Determination of manganese	HACH LCK 532 & LCK 032 (Formaldoxime Method)
3. Marine waters	1. Determination of electrical conductivity	APHA* 2510 B
Microbiological testing		
1. Drinking and swimming pool water	1. Enumeration of Escherichia coli	ISO 9308-1:2014/Amd.1:2016
	2. Enumeration of culturable microorganisms at 22 ºC and 36 ºC. Colony count by inoculation in a nutrient agar culture medium.	ISO 6222:1999
	3. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
Drinking and swimming pool water (continued)	4. Detection and enumeration of	ISO 11731:2017

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	Legionella spp., 0 – 10^4 cfu	
	5. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
2. Marine waters	1. Enumeration of Escherichia coli	ISO 9308-1:2014/Amd.1:2016
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
3. Foodstuff	1. Detection of Salmonella spp	ISO 6579-1:2017
	2. Enumeration of coliforms	ISO 4832:2006
	3. Enumeration of beta-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	4. Detection and enumeration of *Enterobacteriaceae*	ISO 21528-2:2017
Sampling		
1. Drinking water & swimming pools	Sampling for microbiological parameters	ISO 19458:2006 § 4.4.1, 4.4.3, 4.4.4.1
2. Drinking water	sampling of drinking water from treatment works and piped distribution systems	ISO 5667-5:2006
3. Marine waters	Sampling for marine waters (seaside)	ISO 5667-9:1992

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017.

Site of assessment: **Laboratory permanent premises: Messaria, 85300, Kos, Dodecanese, Greece.**
Approved signatories: **I. Trakossa**

This Scope of Accreditation replaces the previous one dated 24.05.2022
The Accreditation Certificate No. **1050**-3, to ELOT EN ISO/IEC 17025:2017, is extended until 18.09.2024

Athens, 10.07.2024

Christos Nestoras

CEO of ESYD