Hellenic Accreditation System

Annex F1/10 to the Certificate No. **724**-4

SCOPE of ACCREDITATION

of the

Testing Laboratory

«NIKOLAOS KAROUSOS»

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Microbiological Tests		
1. Potable, surface, swimming pool and sea waters	1. Detection and enumeration of *E. coli* and coliform bacteria	ISO 9308-1:2014
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
2. Potable, surface and swimming pool waters	Enumeration of culturable micro-organisms at 22±2 ℃ C and 36±2 ℃C	ISO 6222:1999
Chemical Tests		
1. Water (potable, drilling and surface water)	1. Determination of ammonium	MERCK 1.14752 (analogous to APHA 4500-NH3-D)
	2. Determination of nitrite	MERCK 1.14776 (analogous to APHA 4500-NO2- -B)
	3. Determination of chlorides	In house method (OE 504A-25) based to ΕΛΟΤ ISO 9297
	4. Measurement of electric conductivity	In house method (OE 504A-19) based to APHA 2510B
	5. Determination of Total Hardness	In house method (OE 504A-24) based to ELOT 170
	6. Determination of calcium	In house method (OE 504A-17) based to APHA 3500-Ca B
	7. Determination of pH	In house method (OE 504A-18) based to APHA 4500-H^+ -B

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
	8. Determination of alkalinity	In house method (OE 504A-20) based to ISO 9963-1:1995
2. Ground, potable and surface water with low organic matter content.	Determination of nitrate	OE 504A-16 (analogous to APHA 4500-NO3- B - Screening Method)
3. Swimming pool water	1. Determination of pH	In house method (OE 504A-18) based to APHA 4500-H^+ -B
	2. Determination of alkalinity	In house method (OE 504A-20) based to ISO 9963-1:1995

*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 – **Minies, Argostoli, Cephalonia, Greece**
Approved signatories: **N. Karousos**

This Scope of Accreditation replaces the previous one, dated 16.11.2022.
The Accreditation Certificate No. **724**-4, according to ELOT EN ISO/IEC 17025:2017, has been renewed until 16.12.2027.

Athens, 30th of March 2023

Christos Nestoras
CEO of ESYD