Hellenic Accreditation System

Annex F1/21 to the Certificate No. **57**-7

SCOPE of ACCREDITATION

of the

Testing laboratory

"Dimitris I. Oikonomidis, Analytical Laboratory of Rhodes"

OIKONOMIDIS R.T.I. Ltd.

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Chemical Tests		
1. Surface, household, swimming pools and drinking water	1. Determination of conductivity	APHA* 2510 B, 23rd Edition 2017
	2. Determination of pH	APHA* 4500-H B, 23rd Edition 2017
	3. Determination of total hardness	APHA* 2340 C, 23rd Edition 2017
	4. Determination of calcium	APHA* 3500-Ca B, 23rd Edition 2017
2. Surface, swimming pools, household and drinking water	Determination of alkalinity	APHA* 2320 B, 23rd Edition 2017
3. Surface, swimming pools, household and drinking water. Soil	Determination of chlorides	APHA* 4500-Cl B, 23rd Edition 2017
4. Wastes	1. Determination of BOD**	Modified method based on APHA* 5210 B, 23rd Edition 2017
	2. Determination of COD***	Modified method based on APHA* 5220 B, 23rd Edition 2017
	3. Determination of COD***	Method HACH LCK 314
	4. Determination of total suspended solids (TSS)	Modified method based on APHA* 2540 D, 23rd Edition 2017
5. Pool water	Determination of cyanuric acid ****	Turbidimetric method, HACH 8139 modified
6. Olive oil	Determination of the absorption	COI/T20/DOC No.19

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
	coefficient K (at 232 and 270 nm) and the parameter ΔK	
Microbiological Tests		
1. Surface, swimming pool and drinking water	Enumeration of total viable count (22 and 36 ºC)	ISO 6222:1999
2. Water with low concentration of interfering microorganisms (Matrix A)	1. Enumeration of *Legionella*	ISO 11731:2017, Procedure 1; Media A & B Procedure 5,7; Media A & C-GVPC
3. Surface, swimming pool, Sea Water, and drinking water, wastewater	Enumeration of enterococci	ISO 7899-2:2000
4. Surface, wastewater, swimming pool, Sea Water, and drinking water	Enumeration of coliforms and *E. coli*	ISO 9308-1:2014/Amd 1:2016
5. Drinking and swimming pool water	Enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
6. Milk	1. Enumeration of total viable count (30ºC)	ISO 4833-1:2013
	2. Enumeration of coliforms	ISO 4832:2006
7. Foods and environmental samples	Detection of *Salmonella spp.*	VIDAS® Salmonella (VIDAS SLM) bioMérieux, Validation Certificate AFNOR BIO 12/10-09/02
8. Foodstuff and animal feed	Enumeration of *E. coli*	ISO 16649-2:2001
9. Food	Detection of Listeria monocytogenes	VIDAS - AFNOR BIO 12/09-07/02

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

** BOD: biochemical oxygen demand

*** COD: chemical oxygen demand

**** at concentration level > 15 mg/L

Site of assessment: **Laboratory permanent premises, 1 Vironos Street, 851 32 Rhodes, Greece**
Approved signatories: **D. Oikonomidis, A. Sarika-Oikonomidou, E. Oikonomidou**

This Scope of Accreditation replaces the previous one, dated 01.02.2023.
The Accreditation Certificate No. **57**-7, according to ELOT EN ISO/IEC 17025:2017, is valid until 10.12.2026.

Athens, 23rd of October 2024

Konstantinos Kourtalis
Chairman of ESYD