

# Hellenic Accreditation System



Annex F1/C2 to the Certificate No. 44-8

## SCOPE of ACCREDITATION

of the  
Testing Laboratory  
of  
**VELTIA S.A. (Veltia Labs for Life)**  
(Laboratory in Heraklion, Crete)

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
<b>Chemical Tests</b>		
1. Olive oil, pomace oil, Vegetable fats and oils	1. Determination of free fatty acids, cold method	COI/T.20/Doc No 34 as in force ISO 660:2020
	2. Determination of peroxide value	COI/T.20/Doc No 35 as in force ISO 3690:2017
	3. Determination of moisture and volatiles at 103°C	ISO 662:2016-Method B
	4. Determination of the extinction coefficient K (at 270 nm and 232 nm) and the parameter ΔK	COI/T.20/Doc No 19 as in force
2. Potable, surface and ground water, intended or not for human consumption	1. Determination of pH	O.17.009 - 4500-H, B (APHA, Standard Methods lat. ed.)
	2. Determination of Conductivity	O.17.011 - 2510 B (APHA, Standard Methods lat. ed.)
	3. Determination of Sulphate ions	O.17.005 - Internal method based on HACH Application DOC 316.53.01135
	4. Determination of Hardness	O.17.006 - Modified method based on 2340 C (APHA, Standard Methods lat. ed.)
	5. Determination of Nitrite ions	O.17.003 - Modified method based on 4500 NO <sub>2</sub> -B (APHA, Standard Methods lat. ed.)
	6. Determination of Ammonium ions	O.17.002 - Modified method based on 4500 NH <sub>3</sub> -F (APHA, Standard Methods lat. ed.)
	7. Determination of Nitrate ions	O.17.001 - Modified method based on 4500 NO <sub>3</sub> -B (screening method) (APHA, Standard Methods lat. ed.)
	8. Determination of Turbidity	O.17.008 - Internal method based on HACH Application DOC 022.98.80041

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Potable, surface and ground water, intended or not for human consumption  (continued)	9. Determination of free Chlorine	O.17.004 - Internal method based on HACH Application DOC 316.53.01450 and DOC 316.53.01449
	10. Potentiometric determination of chloride ions	O.17.010 - Internal method based on HACH Application DOC 316.52.93091 and ISO 9297:2000
	11. Determination of Calcium	O.17.012 - Modified method based on 3500 Ca-B (APHA, Standard Methods lat. ed.)
	12. Determination of Magnesium	O.17.012 - Modified method based on 3500 Mg-B (APHA, Standard Methods lat. ed.)
	13. Determination of total Alkalinity	O.17.007 - In house method based on: HACH Application DOC 316.52.93085 and ISO 9963-1:1994
3. Swimming pool water	1. Determination of pH	O.17.009 - 4500-H, B (APHA, Standard Methods lat. ed.)
	2. Determination of total Alkalinity	O.17.007 - Internal method based on HACH Application DOC 316.52.93085 and ISO 9963-1:1994
	3. Determination of Turbidity	O.17.008 - Internal method based on HACH Application DOC 022.98.80041
4. Treated waste water from treatment plant	1. Determination of pH	O.17.009 - Internal method based on Standard Methods 4500-H, B
	2. Determination of Conductivity	O.17.011 - Internal method based on Standard Methods 2510 B
	3. Determination of Chloride ions	O.17.010 - Internal method based on HACH DOC316.52.93091 based on ISO 9297:2000
	4. Determination of Turbidity	O.17.008 - Internal method based on HACH DOC022.98.80041
	5. Determination of BOD	O.17.017 - Internal manometric method based on Standard Methods 5210 D
	6. Determination of COD	O.17.016 - Internal method based on Standard Methods 5220 modified closed refluxed method.
	7. Determination of TSS	O.17.013 - Internal method based on ISO 11923:1997
	8. Determination of TN	O.17.015 - Internal method based on HACH DOC312.48.94004-LCK138
	9. Determination of TP	O.17.014 - Internal method based on HACH DOC312.48.94021-LCK349

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
<b>Microbiological Tests</b>		
1. Drinking water, surface and groundwater, intended or not for human consumption and swimming pool water	1. Enumeration of culturable microorganisms at 22 ± 2 °C & at 36 ± 2 °C	ISO 6222:1999
	2. Enumeration of <i>E. coli</i> and coliform bacteria	ISO 9308-1:2014 & Amd1:2016
	3. Enumeration of intestinal enterococci	ISO 7899-2: 2000
	4. Enumeration <i>P. aeruginosa</i>	ISO 16266:2006
	5. Enumeration of <i>Cl. perfringens</i> (including spores)	ISO 14189:2013
	6. Enumeraion of <i>Legionella</i> spp.	ISO 11731:2017
	7. Detection of <i>Salmonella</i> spp	ISO 19250:2010
	8. Detection of <i>Salmonella</i> spp	ISO 19250:2010
2. Sea Water	1. Enumeration of <i>E. coli</i> and coliform bacteria	ISO 9308-1:2014 & Amd1:2016
	2. Enumeration of intestinal enterococci	ISO 7899-2: 2000
3. Treated waste water from treatment plant	1. Enumeration of <i>E. coli</i> and coliform bacteria	ISO 9308-1:2014 & Amd1:2016
4. Food and Surfaces	1. Enumeration of micro-organisms at 30 °C	ISO 4833-1:2013 & ISO 18593:2018
	2. Enumeration of <i>E. coli</i> beta-glucuronidase (+)	ISO 16649-2:2001 & ISO 18593:2018
	3. Enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)	ISO 6888-2:2021 & ISO 18593:2018
	4. Detection of <i>Salmonella</i> spp (except serovars Typhi & Paratyphi)	ISO 6579-1:2017 / Amd. 1:2020 & ISO 18593:2018
	5. Detection of <i>Listeria monocytogene</i>	ISO 11290-1:2017 (Detection) & ISO 18593:2018
	6. Enumeration of Coliforms	ISO 4832:2006
	7. Enumeration of Enterobacteriaceae	ISO 21528-2:2017
	8. Enumeration of sulfite-reducing Clostridium spp.	ISO 15213-1:2023
	9. Enumeration of <i>Cl. perfringens</i>	ISO 15213-2:2023
	10. Enumeration of Yeasts and Moulds	AFNOR BKR 23/11 – 12/18

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
<b>Sampling</b>		
1. <b>Samples from surfaces using swabs and contact plates</b>	Horizontal methods for sampling technics for microbiological tests	ISO 18593:2018

**Site of assesement: Laboratory permanent premises – Ekavis & Petraki 1, 71304, Heraklion, Crete**

Approved signatories: **A. Giannousios, D. Koraki, P. Konstantinou, I. Kaidatzis, O. Paraskevas, M. Stamboulidou, M. Marinaki, M. Tamiolakis**

This Scope of Accreditation replaces the previous one, dated 04.08.2023.

The Accreditation Certificate No. **44-8**, according to ELOT EN ISO/IEC 17025:2017, is valid until 26.11.2026.

Athens, 23<sup>rd</sup> of October 2024



Konstantinos Keurtalis  
Chairman of ESYD