

# Hellenic Accreditation System



Annex F1/C1 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 B (APHA, Standard Methods lat. ed.)
	5. Determination of Nitrite ions	O.17.003 - Modified method based on 4500 NO <sub>2</sub> (APHA, Standard Methods lat. ed.)
	6. Determination of Ammonium ions	O.17.002 - Modified method based on 4500 NH <sub>3</sub> - (APHA, Standard Methods lat. ed.)
	7. Determination of Nitrate ions	O.17.001 - Modified method based on 4500 NO <sub>3</sub> <sup>-</sup> -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
<b>Microbiological Tests</b>		
1. Potable, surface and ground water, 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>	ISO 14189:2013
	6. Enumeration of <i>Legionella</i> spp.	ISO 11731:2017
	7. 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


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

Approved signatories: **A. Giannousios, P. Konstantinou, I. Kaidatzis, O. Paraskevas,  
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The Accreditation Certificate No. **44-8**, according to ELOT EN ISO/IEC 17025:2017, is valid until 26.11.2026.

Athens, 4<sup>th</sup> of August 2023



  
Christos Nestoras  
*CEO of ESYD*