Hellenic Accreditation System

Annex F1/C4 to Certificate No. **44**-9

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
Chemical Tests		
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_2 -B (APHA, Standard Methods lat. ed.)
	6. Determination of Ammonium ions	O.17.002 - Modified method based on 4500 NH_3 -F (APHA, Standard Methods lat. ed.)
	7. Determination of Nitrate ions	O.17.001 - Modified method based on 4500 NO_3^--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. Determination of Total Chlorine.	O.17.004 - Internal method based on HACH Application DOC 316.53.01450 and DOC 316.53.01449
	11. Calculation of Combined Chlorine	Calculated
	12. Potentiometric determination of Chloride ions	O.17.010 - Internal method based on HACH Application DOC 316.52.93091 and ISO 9297:2000
	13. Determination of Calcium	O.17.012 - Modified method based on 3500 Ca -B (APHA, Standard Methods lat. ed.)
	14. Determination of Magnesium	O.17.012 - Modified method based on 3500 Mg -B (APHA, Standard Methods lat. ed.)
	15. Determination of total Alkalinity	O.17.007 - In house method based on: HACH Application DOC 316.52.93085 and ISO 9963-1:1994
	16. Determination of Color	O.17.020 - Internal method based on HACH Application DOC316.53.01252
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 - Intrenal 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. Determination of Free Chlorine	O.17.004 - Internal method based on HACH Application DOC 316.53.01450 and DOC 316.53.01449
	5. Determination of Total Chlorine.	O.17.004 - Internal method based on HACH Application DOC 316.53.01450 and DOC 316.53.01449
	6. Calculation of Combined Chlorine	Calculated
4. Wastewater	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

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
	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 HACH DOC312.48.94012_1Ed_LCK314 και DOC312.53.94003_1Ed_LCK114 της HACH.
	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
	10. Determination of Nitrate Nitrogen	O.17.018 - Internal method based on HACH DOC312.48.94016 - LCK339
	11. Determination of Ammonia Nitrogen	O.17.019 - Internal method based on HACH DOC 312.48.94009 - LCK304 & 14795490 AD 305 O
	12. Determination of Color	O.17.020 - Internal method based on HACH Application DOC316.53.01252
Microbiological Tests		
1. Drinking water, surface and groundwater, intended or not for human consumption and swimming pool water	1. Enumeration of culturable microorganisms at 22 ± 2 ºC & at 36 ± 2 ºC	ISO 6222:1999
	2. Enumeration of *E. coli* and coliform bacteria	ISO 9308-1:2014 & Amd1:2016
	3. Enumeration of intestinal enterococci	ISO 7899-2: 2000
	4. Enumeration *P. aeruginosa*	ISO 16266:2006
	5. Enumeration of *Cl. perfringens* (including spores)	ISO 14189:2013
	6. Enumeraion of *Legionella* spp.	ISO 11731:2017
	7. Detection of *Salmonella spp*	ISO 19250:2010

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
2. Sea Water	1. Enumeration of *E. coli* and coliform bacteria	ISO 9308-1:2014 & Amd1:2016
	2. Enumeration of intestinal enterococci	ISO 7899-2: 2000
3. Treated wastewater from treatment plant	1. Enumeration of *E. coli* and coliform bacteria	ISO 9308-1:2014 & Amd1:2016
4. Food	1. Enumeration of micro-organisms at 30 ºC	ISO 4833-1:2013
	2. Enumeration of *E. coli beta-glucuronidase (+)*	ISO 16649-2:2001
	3. Enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species)	ISO 6888-2:2021
	4. Detection of *Salmonella* spp. (except serovars *Typhi* & *Paratyphi*)	ISO 6579-1:2017 / Amd. 1:2020
	5. Detection of *Listeria monocytogene*	ISO 11290-1:2017 (Detection)
	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 *Cl. perfringens*	ISO 15213-2:2023
	10. Enumeration of Yeasts and Moulds	AFNOR BKR 23/11 – 12/18
	11. Detection of *Vibrio parahaemolyticus*	ISO 21872-1:2017
	12. Enumeration of presumptive *Bacillus cereus*	ISO 7932:2004
5. Environmental samples from areas of food production and food handling (SWAB TESTS)	1. Enumeration of micro-organisms at 30 ºC	ISO 4833-1:2013 & ISO 18593:2018
	2. Enumeration of *E. coli beta-glucuronidase (+)*	ISO 16649-2:2001 & ISO 18593:2018
	3. Enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species)	ISO 6888-2:2021 & ISO 18593:2018
	4. Detection of *Salmonella* spp. (except serovars *Typhi* & *Paratyphi*)	ISO 6579-1:2017 / Amd. 1:2020 & ISO 18593:2018
	5. Detection of *Listeria monocytogene*	ISO 11290-1:2017 (Detection) & ISO 18593:2018
	6. Enumeration of Coliforms	ISO 4832:2006 & ISO18593:2018
	7. Enumeration of Enterobacteriaceae	ISO 21528-2:2017 & ISO18593:2018
	8. Enumeration of Yeasts and Moulds	AFNOR BKR 23/11 – 12/18 & ISO18593:2018

Materials / Products Tested	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Sampling		
1. Samples from surfaces using swabs and contact plates	Horizontal methods for sampling technics for microbiological tests	ISO 18593:2018
2. Drinking water, surface water, groundwater, swimming pool water, wastewater	1. Determination of physical-chemical parameters	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-5:2006 ISO 5667-10:2020 ISO 5667-11:2009
	2. Determination of migroorganisms	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-5:2006 ISO 5667-10:2020 ISO 5667-11:2009 ISO 19458:2006

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. Tamiolakis**

his Scope of Accreditation replaces the previous one, dated 01.08.2025.

he Accreditation Certificate No. **44**-9, according to ELOT EN ISO/IEC 17025:2017, is valid until 26.11.2026.

Athens, 17th of November 2025

Konstantinou Evangelos Apostolos
CEO of ESYD