Hellenic Accreditation System

Annex F1/15 to the Certificate No.**774**-4

SCOPE of ACCREDITATION

of the

Chemical Laboratory

of

POLLUTION CHEMISTS S.A.

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
Chemical Tests		
1. Potable, surface, and underground water	1. Determination of conductivity	ΕΛΟΤ EN 27888:1993
	2. Determination of pH	ΕΛΟΤ 658:1983
	3. Determination of ammonium NH_4	HACH LCK 304
	4. Determination of Nitrate ions NO_3	HACH LCK 339
	5. Determination of Nitrite ions NO_2	HACH LCK 341
	6. Determination of Total hardness	HACH LCK 327
	7. Determination of Calcium Ca	HACH LCK 327
	8. Determination of Magnesium Mg	HACH LCK 327
	9. Determination of chloride ion Cl	HACH LCK 311
	10. Determination of phosphate ions PO_4	HACH LCK 349
	11. Determination of sulphate SO_4	HACH METHOD 8051
	12. Determination of alkalinity	IN HOUSE METHOD BASED ON APHA 2320
	13. Determination of Iron Fe	HACH LCK 521
	14. Determination of Copper Cu	HACH LCK 329
	15. Determination of total Cr	HACH LCS 313 & HACH LCK 313
	16. Determination of Cr (IV)	HACH LCS 313 & HACH LCK 313
	17. Determination of Zinc-Zn	HACH LCS 360 & HACH LCK 360
	18. Determination of Manganese -Mn	HACH LCW 532
	19. Determination of TDS	BASED ON APHA 2450C

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
2. Wastewater	1. Determination of COD	HACH LCK 314,514
	2. Determination of BOD5	BASED ON APHA 5210D
	3. Determination of (SS) suspended solids	BASED ON APHA 2450D
	4. Determination of TDS	BASED ON APHA 2450C
	5. Determination of total Nitrogen-TN	HACH LCK 138
	6. Determination of total Phosphorus- TP	HACH LCK 348
	7. Determination of conductivity	ΕΛΟΤ EN 27888:1993
	8. Determination of pH	ΕΛΟΤ 658:1983
	9. Determination of ammonium-NH4	HACH LCK 304
	10. Determination of Nitrate ions- NO3	HACH LCK 339
	11. Determination of Iron -Fe	HACH LCK 521
	12. Determination of Copper -Cu	HACH LCK 329
	13. Determination of total Cr	HACH LCS 313 & HACH LCK 313
	14. Determination of Cr (IV)	HACH LCS 313 & HACH LCK 313
	15. Determination of Zinc-Zn	HACH LCS 360 & HACH LCK 360
	16. Determination of Manganese -Mn	HACH LCW 532
3. Swimming pools and sea water	1. Determination of conductivity	ELOT EN 27888:1993
	2. Determination of pH	ELOT 658:1983
4. Swimming pools water	Determination of alkalinity	IN HOUSE METHOD BASED ON APHA 2320
Microbiological tests		
1. Animal faeces and environmental samples from the primary production stage	1. Detection of Salmonella spp. (ex svs typhi,paratyphi)	ISO 6579-1 :2017
	2. Enumeration of Campylobacter spp	ISO 10272-2:2017
2. Food and animal feeding	1.Enumeration of Bacillus cereus	ISO 7932:2004/AMD 1:2020
	2. Enumeration of Clostridium perfringens	ISO 15213:2023
3. Food, animal feed and environmental samples from food processing areas	1. Horizontal method for the enumeration of coliforms	ISO 4832:2006
	2. Enumeration of coagulase – positive staphylococci (Staphylococcus aureus and other species)	ISO 6888-2:2021
	3. Detection of Salmonella spp. (ex svs typhi,paratyphi)	ISO 6579-1 :2017
	4. Detection of Listeria spp and Listeria monocytogenes	ISO 11290-1:2017
	5. Enumeration of Enterobacteriaceae	ISO 21528-2:2017
	6. Enumeration of Campylobacter spp	ISO 10272-2:2017

Tested materials / products	Types of test / Properties to be measured	Applied Standards / Techniques to be used
3. Food, animal feed and environmental samples from food processing areas (continued)	7. Enumeration of the total aerobic micro-organisms at 30°C	ISO 4833-1:2013/AMD1:2022
	8. Enumeration of β-glucuronidase-positive Escherichia coli	ISO 16649-2:2001
4. Food and animal feeding stuffs with $a_w > 0,95$	Enumeration of yeasts and moulds	ISO 21527-1:2008
5. Food and animal feeding stuffs with $a_w \leq 0,95$	Enumeration of yeasts and moulds	ISO 21527-2:2008
6. Food (meat, meat products and poultry	1. Enumeration of Pseudomonas spp	ISO 13720:2010
7. Water (water for human consumption, surface, water, underground water), pool water, sea water	1. Enumeration of culturable micro-organisms at 22±2ºC and 36±2 ºC	ISO 6222:1999
	2. Detection and enumeration of Escherichia coli and coliform bacteria	ISO 9308-1:2014
	3. Detection and enumeration of intestinal enterococci	ISO 7899-2000
	4. Detection and enumeration of Cl. perfringens (including spores)	ISO 14189:2013
8. Water (water for human consumption, surface, water, underground water), Pool water	5. Enumeration of Pseudomonas aeruginosa	ISO 16266:2006
9. Wastewater	Detection and enumeration of intestinal enterococci	ISO 7899-2000
10. Processed Wastewater	Detection and enumeration of Escherichia coli and coliform bacteria	ISO 9308-1:2014
Sampling		
1. Surfaces from food processing areas using contact plates	Horizontal methods for sampling techniques for microbiology tests	ISO 18593:2018
2. Surfaces from food processing areas using cotton swabs	Horizontal methods for sampling techniques for microbiology tests	ISO 18593:2018

Site of assessment: **Permanent laboratory premises, 1 Frizi & Papanastasiou str., Chalkida, Greece.**
Approved signatory: **A. Tsapournioti, G. Tsapourniotis.**

This Scope of Accreditation replaces the previous one dated 15.07.2024.
The Accreditation Certificate No.**774**-4, to ELOT EN ISO/IEC 17025:2017, is valid until 14.11.2028.

Athens, 24 April 2026

Konstantinou Evangelos Apostolos
CEO of ESYD