



Annex
of the Accreditation Certificate number L048-3

SCOPE OF ACCREDITATION
OF
P.T.A. FOOD LAB & NUTRITIONAL SERVICES LTD TESTING LABORATORY

Valid from 1st March 2021 until 28th February 2025

*Valid from 1st March 2022 until 28th February 2025

**Valid from 8th December 2022 until 28th February 2025

Materials/Products tested	Type of testing / Properties measured	Applied Methods / Techniques used
Microbiological Testing		
Foodstuffs	Horizontal method for the enumeration of microorganisms – Part 1: Colony count at 30°C by the pour plate technique	ISO 4833-1:2013
	Horizontal method for the detection and enumeration of <i>Enterobacteriaceae</i> – Part 2: Colony-count technique	ISO 21528-2: 2017
	Horizontal method for the enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) – Part 1: Method using Baird–Parker agar medium	ISO 6888-1: 2021
	Horizontal method for the enumeration of β -glucuronidase-positive <i>Escherichia coli</i> – Part 2: Colony-count technique at 44°C using 5-bromo-4-chloro-3-indolyl β -D-glucuronide	ISO 16649-2:2001
	Horizontal method for the enumeration of <i>Clostridium perfringens</i> – Colony-count technique	ISO 7937:2004

Materials/Products tested	Type of testing / Properties measured	Applied Methods / Techniques used
	Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria spp.</i> – Part 1: Detection method	ISO 11290-1:2017
	Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> – Colony-count technique at 30°C	ISO 7932:2004/ Amd 1:2020
	Horizontal method for the enumeration of coliforms – Colony-count technique	ISO 4832:2006
Foodstuffs and animal feeding stuffs	Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> – Part 1: Detection of <i>Salmonella spp.</i> (except Annex D for Detection of <i>S. Typhi</i> and <i>S. Paratyphi</i>)	ISO 6579-1:2017/ Amd 1:2020
Waters (potable water, surface water and swimming pool water)	Enumeration of culturable micro-organisms – Colony count by inoculation in a nutrient agar culture medium (36°C and 22°C)	ISO 6222:1999
	Detection and enumeration of intestinal enterococci – Part 2: Membrane filtration method	ISO 7899-2:2000
	Detection and enumeration of <i>Pseudomonas aeruginosa</i> – Method by membrane filtration	CYS EN ISO 16266:2008
	Detection and enumeration of <i>Staphylococcus aureus</i> by membrane filtration	APHA 9213B 24 th Edition, 2023
	Enumeration of <i>Legionella spp.</i>	ISO 11731:2017
	Enumeration of <i>Clostridium perfringens</i> – Method using membrane filtration	ISO 14189:2013
Waters (potable water and swimming pool water)	Enumeration of <i>Escherichia coli</i> and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora	ISO 9308-1:2014/ Amd 1:2016

Materials/Products tested	Type of testing / Properties measured	Applied Methods / Techniques used
Chemical Testing		
Wastewaters	Determination of COD	APHA 5220 D 24 th Edition, 2023
	Determination of total suspended solids (TSS)	APHA 2540 D 24 th Edition, 2023
	Determination of BOD ₅	APHA 5210 D 24 th Edition, 2023
	Determination of pH	APHA 4500-H ⁺ B 24 th Edition, 2023
Waters and wastewaters	Determination of chlorides	APHA 4500-Cl ⁻ B 24 th Edition, 2023
	Determination of conductivity	APHA 2510 B 24 th Edition, 2023
Waters	Determination of calcium (Ca)	APHA 3500-Ca B 24 th Edition, 2023
	Determination of magnesium (Mg)	APHA 3500-Mg B 24 th Edition, 2023
	Determination of total hardness	APHA 2340 C 24 th Edition, 2023
Foodstuffs	Determination of fat	AOAC 991.36 AOAC 960.39 AOAC 948.22
	Determination of ash	AOAC 945.46 AOAC 923.03 AOAC 920.153 AOAC 920.93 AOAC 938.08
	Determination of proteins	AOAC 950.36 AOAC 920.87 AOAC 981.10 AOAC 991.20

Materials/Products tested	Type of testing / Properties measured	Applied Methods / Techniques used
Waters and wastewaters	Determination of: Nickel (Ni) Iron (Fe) Cadmium (Cd) Chromium (Cr) Zinc (Zn) Lead (Pb) Copper (Cu) Arsenic (As) Manganese (Mn) Cobalt (Co) Aluminium (Al) Beryllium (Be) Barium (Ba) Boron (B)	In-house method (PTA-MA-C-13) by ICP-OES, based on U.S. EPA 200.7
Waters	*Determination of: Calcium (Ca) Magnesium (Mg) Potassium (K) Sodium (Na)	In-house method (PTA-MA-C-18) by ICP-OES, based on U.S. EPA 200.7
	*Determination of total hardness (by calculation)	PTA-MA-C-18, based on APHA 2340 B:2023
Fish and fish products	*Determination of histamine	In-house method (PTA-MA-C-16) by HPLC-UV, based on Int. J. Environ. Res. Public Health 2020, 17, 7454
Waters and wastewaters	**Determination of nitrates (NO ₃)	In-house method (PTA-MA-C-21) based on APHA 4500-NO ₃ B:2023
	**Determination of nitrites (NO ₂)	In-house method (PTA-MA-C-22) based on APHA 4500-NO ₂ B:2023

Materials/Products tested	Type of testing / Properties measured	Applied Methods / Techniques used
	**Determination of total dissolved solids (TDS)	In-house method (PTA-MA-C-24) based on APHA 2540 C:2023
	**Determination of total phosphorus (TP)	In-house method (PTA-MA-C-23) based on APHA 4500-P C:2023
	**Determination of total nitrogen (TN)	In-house method (PTA-MA-C-24) based on APHA 4500-N C:2023 and APHA 4500-NO ₃ B:2023
	**Determination of pH	APHA 4500-H ⁺ B 24 th Edition, 2023
	**Determination of FOG (Fat, Oil and Grease)	APHA 5520 B, Edition 24:2023
Sampling		
Potable water, ground water, surface water, swimming pool water, sea water, wastewater and industrial wastewater	Determination of physicochemical and microbiological parameters	ISO 5667-1:2020 ISO 5667-3:2018 ISO 5667-4:2016 ISO 5667-5:2006 ISO 5667-6:2014 ISO 5667-9:1992 ISO 5667-11:2009 ISO 5667-13:2011 ISO 5667-14:2014 ISO 19458:2006 BS 7592:2008
**Expression of Opinion and Interpretation		
Waters, wastewaters and foodstuffs	Expression of Opinions and Interpretations on <u>chemical</u> test results covered by the scope of accreditation	In-house procedure (PTA-QP-27) based on ISO/IEC 17025:2017 and EA-4/23 INF:2019
Waters, foodstuffs and animal feeding stuffs	Expression of Opinions and Interpretations on <u>microbiological</u> test results covered by the scope of accreditation	In-house procedure (PTA-QP-27) based on ISO/IEC 17025:2017 and EA-4/23 INF:2019

Authorized person to sign test reports and for the expression of opinions and interpretations is Mr. Pavlos Aspris.

General Remarks

This Annex refers **only to tests** carried out in the premises of the Laboratory, at the following address: **3rd Industrial Area (Agios Sylos), Spyrou Kyprianou 14, Ipsonas, Limassol.**



Antonis Ioannou
Director

Date: 2 January 2024

