HELLENIC ACCREDITATION SYSTEM

Annex F1B/7 to the Certificate No. **90**-9

SCOPE of ACCREDITATION

Of the

Testing Laboratory

PPC TESTING, INSPECTION AND CERTIFICATION SINGLE MEMBER S.A.

(PPC INSPECTRA)

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
Chemical tests		
Petroleum products (liquid fuels and lubricants)	Determination of density, with digital density meter	ASTM D 4052:-2022 ΕΛΟΤ EN ISO 12185:2024
	Determination of density, with digital Stabinger meter	ASTM D 7042: 2021 ISO 3104:2023
	Determination of dynamic and kinematic viscosity, with Stabinger viscometer	ASTM D7042: 2021 ISO 3104:2023
	Calculation of viscosity index (VI)	ASTM D2270:2024
	Calculation of carbon aromaticity index (CCAI)	ASTM D7042: 2021 Calculated by formula ISO 8217: 2024
	Determination of Cleveland open cup flash point and fire point	ASTM D92: 2024 ΕΛΟΤ EN ISO 2592:2017
	Determination of Pensky-Martens closed cup flash point	ASTM D93: 2025 ΕΛΟΤ EN ISO 2719: 2021
	Determination of water, by distillation	ASTM D95: 2023e1 ISO 3733 :2021
	Determination of carbon, hydrogen and nitrogen	ASTM D5291: 2021

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
Petroleum products (liquid fuels and lubricants) (continued)	Determination of heat of combustion (gross and net)	ASTM D 240:19
	Determination of carbon residue (micro method)	ASTM D4530: 2015 (2020) ISO 10370:2014
	Pour point	ASTM D97-17b (2022): ISO 3016:2019
	Total Carbon Residue	ASTM D4870-22 ISO 10307-1 :2009
	Air Release	ASTM D3427-19
	Total Acid Number (TAN)	ASTM D664:2024
	Determination of total base number (TBN)	ASTM D2896: 2021
	Determination of water by coulometric Karl Fischer titration	ASTM D 6304: 2020
	Color	ASTM D1500-12 (2017)
	Oxidation stability by rotating pressure vessel	ASTM D 2272:22
Petroleum products (Mazut)	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	IP 501/2005
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Residual Fuels	Cleanness and compatibility by spot	ASTM D4740:2024
Diesel fuel	Distillation	ASTM D86-23ae1
Middle Distillate Fuels	Solid Particles	ASTM D6217 EN 12662-1_2025
Petroleum products (lubricants)	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	ASTM D 5185-18:2018

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Transformer oils and insulating oils	Determination of polychlorinated biphenyls (PCBs)	IEC 61619:1997
	Determination of Polychlorinated Triphenyls (PCTs) and Polychlorinated Benzyltoluenes (PCBTs)	ELOT EN 12766.03
	Determination of Furan Compounds 5-Hydroxymethyl-2-furaldehyde Furfuryl Alcohol 2-Furaldehyde (Furfural) 5-Methyl-2-furaldehyde 2-Acetylfuran	ASTM D5837:2023 with HPLC-UV
	Determination of water by coulometric Karl Fischer titration	ASTM D 6304: 2020
	Determination of density, with Stabinger viscometer	ASTM D 7042: 2021
	Determination of dynamic and kinematic viscosity, with Stabinger viscometer	ASTM D7042: 2021
	Calculation of viscosity index (VI)	ASTM D2270:2010 (2016)
	Determination of density, with digital density meter	ASTM D 4052 : 2022
	Visual Examination	ASTM D1524-94.R10
	Kinetic Viscosity	ASTM 7042-21
	Determination of Pensky-Martens closed cup flash point	ASTM D93: 2025 ΕΛΟΤ EN ISO 2719: 2021
	Pour point	ASTM D97-17b (2022): ISO 3016:2019
	Interfacial Tension	ASTM D971-20
	Colour	ASTM D1500-12 (2017)
	Total Acid |Number (TAN)	ASTM D664:2024

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	ASTM D 7151-15: 2023 with ICP-OES
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Solid Fuels (lignite) and Combustion residues	Determination of Hg	EPA 7473: 2007 with DMA
	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	ASTM D 6357-21 with ICP-OES
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Solid waste (solid fuels residues, ashes, sludge)	Determination of Hg	EPA 7473: 2007 with DMA
	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	ASTM D 6349-21 with ICP-OES
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Submarine Fuel Oil (Mazut)	Determination of chemical species by multidimensional method (Deanswitch)	ASTM D7845-20 with GC-MS/FID
1. Water for human consumption, surface water, ground water 2. Waste-Wastewater	Determination of pH	ELOT ISO 10523: 2012
	Determination of electrical Conductivity	ELOT EN 27888: 1993

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
3. Pool water * Only for categories 1,2 ** only for category 1 *** only for categories 1,3	Determination of Free (Residual) Chlorine	ISO 7393-2:2018
	Determination of Total and Combined Chlorine	ISO 7393-2:2018
	Determination of Ammonium (NH_4^+ and N- NH_4^+)*	HACH LCK 304 HACH LCK 305
	Determination of Phenols *	HACH LCK 345
	Determination of free CN *	HACH LCK 315
	Determination of Hardness (calculation)**	APHA 2340 B, 24th edition
1. Water for human consumption, surface water, ground water 2. Waste-Wastewater 3. Pool water (continued) * only for categories 1,2 ** only for category 1 *** only for categories 1,3	Determination of Total Organic Carbon (TOC)*	APHA 5310 A, B, 24th edition
	Determination of Total Nitrogen (TN)*	ELOT EN ISO 20236:2024
		HACH Method LCK 138
	Determination of Odor **	ELOT EN 1622:2006
	Determination of Taste **	ELOT EN 1622:2006
	Determination of Turbidity ***	ELOT EN ISO 7027-1:2016
	Determination of Oxidability *	HACH LCK 394
	Determination of Color *	HACH 8025
	Determination of Silicates**	HACH Method 8185
	Determination of Formaldehyde **	LCK 425
	Determination of Adsorbable Organic Halogens (AOX) **	LCK 390
	Determination of Biochemical Oxygen Demand (BOD5)*	APHA 5210D9
	Determination of Sulfide (S^{2-})*	LCK653
	Determination of Sulfite (SO_3)*	LCK654
	Determination of Hexavalent Chromium (Cr VI)*	APHA 3500 B- Cr
		HACH LCK 313
	Determination of Total and Composite Alkalinity, carbonate (CO_3^{2-}) and bicarbonate HCO_3^-) ions	APHA 2320 B , ISO 9963-1:1996

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Determination of Dissolved Oxygen*	APHA 4500 H- O
	Determination of Sodium Adsorption Ratio (SAR), Langelier index and Ryznar index **	ASTM D3739-19, APHA 2330 B
	Determination of Total Solids*	APHA 2540 B
	Determination Settleable Solids (Imhoff)*	APHA 2540 F, ΕΛΟΤ 608:1983
	Determination of Anionic Surfactants*	HACH LCK 332
	Determination of Cationic Surfactants*	HACH LCK 331
	Determination of Nonionic Surfactants*	HACH LCK 333
	Determination of Total Petroleum Hydrocarbons, C10-C40*	In house method (Ο_ΕΧΥΠ.Χ4.13) based on ELOT EN ISO 9377-2:2000 GC-FID
Water (the flexibility concerns different categories of water and is described in detail in the List of Accredited Activities Flexible Field of the Laboratory).	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	In house method based on ELOT EN ISO 17294.01:2024 and ELOT EN ISO 17294-2:2023, ISO 11885:2009 ICP-MSMS ICP-OES
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Water (the flexibility concerns different categories of water and is described in detail in the List of Accredited Activities Flexible Field of the Laboratory).	Determination of anions and water contaminants in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory. • Determination of anions • Determination of volatile compounds (VOCs) • Determination of vinyl chloride • Determination of phenols • Determination of Estradiol 17B • Determination of PAHs • Determination of PBDEs	In house method based on ELOT EN ISO 10304.01:2010, ΕΛΟΤ EN ISO 15061:2001, ΕΛΟΤ EN ISO 10304.04:2022, EPA 537.1 and EPA 1633A, ISO 17943:2016, EPA 525.2 IC LC-MSMS GC-MSMS

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	• Determination of Microcystine LR • Determination of Acrylamide • Determination of Bisphenols A, F, S • Determination of PFAS • Determination of Haloacetics Acids (HAAs)	
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Water (the flexibility concerns different categories of water and is described in detail in the List of Accredited Activities Flexible Field of the Laboratory).	Determination of Pesticide Residues in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	In house method based on EPA 525.2 GC-MSMS LC-QTOF LC-MSMS
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications Adding new substrate to an existing method	
Pool water	Determination of Cyanuric acid	HACH Method 8139
Waste-Wastewater	Determination of Hg	EPA 7473:2007
	Determination of COD	HACH LCK 314
		HACH LCK 1014
	Determination of Total Petroleum Hydrocarbons (TPH)	ASTM D7066-04
	Determination of Salinity	APHA 2520 B
	Determination of Total Suspended Solids (TSS)	APHA 2540 D
	Determination of Total Dissolved Solids (TDS)	APHA 2540 C
	Determination of DEHP	In house method (O_EXYΠ.X4.06) with LC-MSMS
Waste-Wastewater (The flexibility concerns different categories of wastes and is described	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible	In house method based on ELOT EN ISO 17294.01:2024 ELOT EN ISO 17294-2:2023 and EPA 6010D: 2018

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
in detail in the List of Accredited Activities Flexible Field of the Laboratory).	Field of the Laboratory.	ICP-MSMS ICP-OES
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Waste-Wastewater (the flexibility concerns different categories of wastes and is described in detail in the List of Accredited Activities Flexible Field of the Laboratory.)	Determination of Pesticide Residues in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	In house method based on EPA 525.2 GC-MSMS LC-QTOF LC-MSMS
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications Adding new substrate to an existing method	
Waste-Wastewater (the flexibility concerns different categories of wastes and is described in detail in the List of Accredited Activities Flexible Field of the Laboratory.)	Determination of anions and water contaminants in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory. • Determination of anions • Determination of volatile compounds (VOCs) • Determination of vinyl chloride • Determination of phenols • Determination of PAHs • Determination of PBDEs • Determination of Microcystine LR • Determination of Bisphenols A, F, S	In house method based on ELOT EN ISO 10304.01:2010, ΕΛΟΤ EN ISO 15061:2001, ΕΛΟΤ EN ISO 10304.04:2022, EPA 537.1 and EPA 1633A, ISO 17943:2016, EPA 525.2 IC LC-MSMS GC-MSMS
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
High salinity water and seawater	Determination of COD	HACH LCK 1814
		HACH LCK 1914

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Determination of Dissolved Oxygen	APHA 4500 H- O
	Determination of Total Petroleum Hydrocarbons (C10-C40)	In house method (O_ΕΧΥΠ.Χ4.13) based on ELOT EN ISO 9377-2:2000 GC-FID
	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	EPA 6020A με ICP-MSMS
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Ambient Air Sampling Filters	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	EPA IO-3.1:1999 and EPA IO-3.4:1999, with ICP-OES
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications	
	Determination of Hg	EPA 7473:2007
Granular waste materials, sludges, soils and soil-like materials	One stage leaching test at a liquid to solid ratio of: L/S=2 1/kg.	ELOT EN 12457-01: 2003 and according to Directive 2003/33/EC
	One stage leaching test at a liquid to solid ratio of: LIS=10 1/kg.	ELOT EN 12457-02: 2002 and according to Directive 2003/33/EC
Soil	Determination of Exchangeable Calcium, Potassium, Magnesium and Sodium	FAO GLOSOLAN-SOP-17:2022
	Determination of pH	ASTM D 4972-19
	Determination of Organic Matter with Wet Combustion	AASHTO T 194-22

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Determination of Hg	EPA 7473:2007
	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	EPA 3051A EPA 6010D: 2018
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Aggregates	Determination of Water Soluble Chlorides	ELOT EN 1744-1+A1:2012, § 7
Tree Leaves	Determination of elements in flexible scope. The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory.	In house method (O_ΕΧΥΠ.Χ1.13) based on: Kalra, Y.P. (1998) Handbook of Reference Methods for Plant Analysis. CRC Press, Boca Raton. Chapter 8, Microwave Digestion of Plant Tissue in a Closed Vessel.
	The flexibility that applies covers the following categories. Flexibility in relation to: • Adding new elements to existing matrices • The verification of standard methods and validation of their modifications • Adding new substrate to an existing method	
Animal feed	Determination of Moisture and volatile matter	In house method (O_ΕΧΥΠ.Χ5.01) based on ISO 6496:2017, AOAC 934.01, AOAC 930.15 and Regulation 152/2009
	Determination of crude Ash	In house method (O_ΕΧΥΠ.Χ5.02) based on ISO 5984: 2024, AOAC 942.05 and Regulation 152/2009
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_ΕΧΥΠ.Χ5.03) based on ISO 5983-2:2012, AOAC 2001.11 and Regulation 152/2009 with Kjeldahl
	Determination of Fat	In house method (O_ΕΧΥΠ.Χ5.04) based on ISO 6492:2017, AOAC 2003.05 and Regulation 152/2009 with Soxhlet

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Determination of Crude Fibers	In house method (O_EXYΠ.X5.05) based on ISO 6865:2000, AOAC 962.09 and Regulation 152/2009
Bakery Products, Legumes and Cereals	Determination of Moisture and Solid Residue (Total Solids)	In house method (O_EXYΠ.X5.01) based on ISO 712-1:2024, AOAC 925.09, AOAC 925.10, AOAC 935.36
	Determination of Ash	In house method (O_EXYΠ.X5.02) based on AOAC 923.03, AOAC 925.11, AOAC 930.22.
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_EXYΠ.X5.03) based on ISO 20483:2014 with Kjeldahl
	Determination of Fat	In house method (O_EXYΠ.X5.04) based on AOAC 2003.05 with Soxhlet
	Determination of Dietary Fibers	In house method (O_EXYΠ.X5.06) based on AOAC 985.29
	Determination of Energy, Total and Digestible Carbohydrates	In house method (O_EXYΠ.X5.07) based on Regulation 1169/2011 and FAO
	Determination of Total Fatty Acids (saturated, monounsaturated, polyunsaturated, trans)	In house method (O_EXYΠ.X5.08) based on ISO 12966-1, ISO 12966-2, 12966-4, AOAC 996.06 and AOAC 996.01 with GC-FID
	Determination of Sugars (fructose, glucose, sucrose, maltose, lactose)	In house method (O_EXYΠ.X5.09) based on AOAC 980.13, AOAC 982.14 and ISO 22662:2024 with HPLC-RI
Meat and Meat Products	Determination of Moisture and Solid Residue (Total Solids)	In house method (O_EXYΠ.X5.01) based on AOAC 950.46
	Determination of Ash	In house method (O_EXYΠ.X5.02) based on AOAC 920.153
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_EXYΠ.X5.03) based on AOAC 981.10, AOAC 928.08 with Kjeldahl
	Determination of Fat	In house method (O_EXYΠ.X5.04) based on ISO 1443: 1973, AOAC 991.36 with Soxhlet
	Determination of Dietary Fibers	In house method (O_EXYΠ.X5.06) based on AOAC 985.29
	Determination of Energy, Total and Digestible Carbohydrates	In house method (O_EXYΠ.X5.07) based on Regulation 1169/2011 and FAO

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Determination of Total Fatty Acids (saturated, monounsaturated, polyunsaturated, trans)	In house method (O_EXYΠ.X5.08) based on ISO 12966-1, ISO 12966-2, 12966-4, AOAC 996.06 and AOAC 996.01 with GC-FID
	Determination of Sugars (fructose, glucose, sucrose, maltose, lactose)	In house method (O_EXYΠ.X5.09) based on AOAC 980.13, AOAC 982.14 and ISO 22662:2024 with HPLC-RI
	Determination of Ca, Mg, P, K, Na	In house method (O_EXYΠ.X1.16) based on ELOT EN 13804 with ICP-MS/MS
	Determination of Sodium Chloride (NaCl)	In house method (O_EXYΠ.X1.16) based on Regulation 1169/2011
Milk and dairy products	Determination of Moisture and Solid Residue (Total Solids)	In house method (O_EXYΠ.X5.01) based on AOAC 925.23, AOAC 990.20, AOAC 927.05, AOAC 926.08, AOAC 920.107, AOAC 941.08 and AOAC 920.116
	Determination of Ash	In house method (O_EXYΠ.X5.02) based on AOAC 945.46, AOAC 930.30, AOAC 935.42 and AOAC 920.108
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_EXYΠ.X5.03) based on AOAC 991.20, AOAC 2001.14, AOAC 920.109 and AOAC 930.33 with Kjeldahl
	Determination of Sugars (fructose, glucose, sucrose, maltose, lactose)	In house method (O_EXYΠ.X5.09) based on AOAC 980.13, AOAC 982.14 and ISO 22662:2024 with HPLC-RI
Milk and dairy products (milk, milk powder, yogurt, cream, ice cream)	Determination of Fat	In house method (O_EXYΠ.X5.10) based on AOAC 989.05, AOAC 945.48, AOAC 995.19, AOAC 932.06 and ISO 14156:2025 with Mojonnier (alkaline hydrolysis)
Dairy products (cheese, yogurt, cream, ice cream)	Determination of Fat	In house method (O_EXYΠ.X5.04) based on AOAC 922.06 with Soxhlet
Milk	Determination of Ca, Mg, P, K, Na	In house method (O_EXYΠ.X1.16) based on ELOT EN 13804 (ICP-MS/MS)
	Determination of Sodium Chloride (NaCl)	In house method (O_EXYΠ.X1.16) based on Regulation 1169/2011
Fish and seafood	Determination of Moisture and Solid Residue (Total Solids)	In house method (O_EXYΠ.X5.01) based on AOAC 952.08 and AOAC

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
		950.46
	Determination of Ash	In house method (O_EXYΠ.X5.02) based AOAC 938.08
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_EXYΠ.X5.03) based on AOAC 940.25 with Kjeldahl
	Determination of Fat	In house method (O_EXYΠ.X5.04) based on AOAC 948.15 with Soxhlet
	Determination of Sugars (fructose, glucose, sucrose, maltose, lactose)	In house method (O_EXYΠ.X5.09) based on AOAC 980.13, AOAC 982.14 and ISO 22662:2024 with HPLC-RI
Fruit juices and non-alcoholic beverages	Determination of Moisture and Solid Residue (Total Solids)	In house method (O_EXYΠ.X5.01) based on AOAC 920.151 and AOAC 925.45
	Determination of Ash	In house method (O_EXYΠ.X5.02) based AOAC 940.26
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_EXYΠ.X5.03) based on AOAC 920.152 with Kjeldahl
	Determination of Fat	In house method (O_EXYΠ.X5.04) based on AOAC 922.06 with Soxhlet
	Determination of Sugars (fructose, glucose, sucrose, maltose, lactose)	In house method (O_EXYΠ.X5.09) based on AOAC 980.13, AOAC 982.14 and ISO 22662:2024 with HPLC-RI
Ready to eat meals and Frozen foods	Determination of Moisture and Solid Residue (Total Solids)	In house method (O_EXYΠ.X5.01) based on AOAC 950.46 and AOAC 925.09
	Determination of Ash	In house method (O_EXYΠ.X5.02) based AOAC 923.03 and AOAC 920.153
	Determination of Proteins (nitrogen Kjeldahl)	In house method (O_EXYΠ.X5.03) based on AOAC 981.10 and AOAC 928.08 with Kjeldahl
	Determination of Fat	In house method (O_EXYΠ.X5.04) based on AOAC 2003.05 and AOAC 991.36 with Soxhlet
	Determination of Sugars (fructose, glucose, sucrose, maltose, lactose)	In house method (O_EXYΠ.X5.09) based on AOAC 980.13, AOAC 982.14 and ISO 22662:2024 with HPLC-RI

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
Fruits and Vegetables with high water content: (Pome fruits Stone fruits Allium vegetables Fruiting vegetables / Cucurbits Brassica vegetables (Cruciferous vegetables) Leafy vegetables and fresh herbs Stem and stalk vegetables Fresh legume vegetables Fresh fungi (mushrooms) Root and tuber vegetables Citrus fruits Small fruits and berries)	Determination of pesticide residues 2,3,5,6-Tetrachloroaniline,2-Phenylphenol, 3,4-Dichloroaniline, Acetochlor, Acibenzolar-S-methyl, Acrinathrin, Alachlor, Aldrin, Ametryn, Anthraquinone, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Azinphos-methyl, Azoxystrobin, BHC-alpha (benzene hexachloride), BHC-beta, BHC-delta, BHC-gamma (Lindane, gamma HCH), Beflubutamid, Benalaxyl, Bendiocarb Benfluralin, Benfuracarb, Benthiavalicarb-isopropyl, Benthiocarb, Bifenthrin, Biphenyl, Bitertanol (Sum of Isomers), Boscalid, Bromfenvinfos, Bromocyclen, Bromophos, Bromophos-ethyl Bromopropylate, Bromuconazole (Sum of Isomers), Bupirimate, Buprofezin, Butafenacil, Butylate, Cadusafos, Carbofuran, Carbophenothion, Carboxin, Chinomethionate, Chlorbenside, Chlordane-cis, Chlordane-trans, Chlorfenapyr, Chlorfenprop-methyl, Chlorfenson, Chlorfenvinphos, Chlormephos, 4- Chloroaniline, Chlorobenzilate, Chloroneb, Chloropropylate, Chlorpropham, Chlorpyrifos, Chlorpyrifos-methyl, Chlorthiamid, Chlorthion, Chlorthiophos, Chlozolinate, Clodinafop-propargyl, Clomazone, Cloquintocet-mexyl, Coumaphos, Crimidine, Cyanazine, Cyanofenphos, Cyanophos, Cycloate, Cycluron, Cyflufenamid, Cyfluthrin (Sum of Isomers or/ and b cyfluthrin), Cyhalofop-butyl, Cyhalothrin (Lambda), Cymiazole, Cypermethrin (Sum of Isomers or/and a-cypermethrin), Cyphenothrin (Sum of Isomers), Cyprodinil, DCPA (Chlorthal-dimethyl), DDD-p,p', DDE-p,p', DDT-o,p', DDT-p,p',	In house method based on ELOT EN 15662:2018 and SANTE/11312/2026 (O_EXYΠ.X4.11) with GC-MSMS

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	DEET, DMSA, Deltamethrin (Sum of Isomers), Demeton-O, Demeton-S, Demeton-S-methyl, Demeton-S-methyl sulfone, Desmetryn, Diallate (Sum of Isomers), Diazinon, Dichlofenthion, Dichloran, Dichlorobenzonitrile, -2,6 (Dichlobenil), Dichlorobenzophenone-4,4', Dichlorvos, Diclobutrazol, Diclofop-methyl, Dicrotofos, Dieldrin, Diethofencarb, Difenoconazole (Sum of Isomers), Diflufenican, Dimethachlor Dimethenamid, Dimethoate, Dimethomorph (Sum of Isomers), Dimoxystrobin, Diniconazole, Dinitramine, Dinobuton, Diphenamid, Diphenylamine, Dipropetryn, Disulfoton, Ditalimfos, Dodemorph (Sum of Isomers), EPTC, Endosulfan I (alpha isomer), Endosulfan II (beta isomer), Endosulfan sulfate, Endrin Endrin ketone, Epoxiconazole, Esfenvalerate / Fenvalerate, Etaconazole, Ethofenprox, Ethofumesate, Ethoprophos Ethoxyquin, Ethylan (Perthane), Etoxazole Etridiazole, Etrimfos, Famphur, Fenamidone, Fenarimol, Fenazaquin, Fenbuconazole, Fenfluthrin, Fenitrothion, Fenobucarb, Fenpropathrin, Fenpropimorph, Fenson, Fensulfothion, Fensulfothion sulfone, Fenthion, Fipronil, Fipronil sulfone, Fluazifop (free acid), Fluazifop-butyl, Flucythrinate (Άθροισμα Ισομερών), Fludioxonil, Flufenacet, Flumioxazin, Fluorochloridone, Fluotrimazole, Fluquinconazole, Flurprimidol, Flurtamone, Flusilazole, Flutolanil, Flutriafol, Fluvalinate, Fonofos, Formothion, Furalaxyl, Halfenprox, Haloxyfop-2-ethoxyethyl, Haloxyfop-methyl, Heptachlor, Heptachlor endo-epoxide, Heptachlor exo-epoxide, Heptenophos, Hexaconazole,	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Hexazinone, Imazalil, Imazamethabenz, Iodofenphos, Ioxynil octanoate, Ipconazole, Iprobenfos, Iprodione, Iprovalicarb (Sum of Isomers), Isazofos, Isocarbophos, Isodrin, Isofenphos, Isofenphos-methyl, Isoprocarb (Sum of Isomers), Isopropalin, Isoprothiolane, Isopyrazam, Isoxathion, Kresoxim-methyl, Lenacil, Leptophos, MCPA-butoxyethyl, MCPA-methyl, MGK-264, Malathion, Mecarbam, Mefenoxam, Mefenpyr-diethyl, Mepanipyrim, Mephosfolan, Mepronil, Metazachlor, Metconazole, Methacrifos, Methidathion, Methoprene, Methoprotryne, Methoxychlor- olefin, Methoxychlor-o,p', Methoxychlor- p,p', Metobromuron, Metolachlor-S, Metolcarb, Metrafenone, Metribuzin, Mevinphos, Z-& E, Mexacarbate, Mirex, Molinate, Monolinuron, Myclobutanil, Naled, Naphthaleneacetamid-1, Napropamide, Nitrofen, Nitrothal-isopropyl, Nonachlor-cis, Nonachlor-trans, Norflurazon, Novaluron, Nuarimol, Octachlorodipropyl ether (S421), Ofurace, Oxadiazon, Oxadixyl, Oxydementon methyl, Oxyfluorfen, Paclobutrazol, Parathion, Parathion-methyl, Pebulate, Penconazole, Pendimethalin, Pentachloroaniline, Pentachloroanisole Pentachlorobenzene, Pentachlorobenzonitrile, Pentachloronitrobenzene (Quintozene), Permethrin (Sum of Isomers), Phenmedipham, Phenothrin, Phenthoate, Phorate, Phorate Sulfoxide, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimiphos-ethyl, Pirimiphos-methyl, Pretilachlor, Prochloraz, Procymidone, Prodiamine, Profenofos, Profluralin, Promecarb, Prometon, Prometryn, Propachlor, Propanil,	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Propaquizafop, Propazine, Propetamphos, Propham, Propiconazole (Sum of Isomers), Propisochlor, Propoxur, Propyzamide, Prothiofos, Pyracarbolid, Pyraflufen-ethyl, Pyrazophos, Pyridaben, Pyridalyl, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Quinalphos, Quinoxyfen, Quizalofop-ethyl, Resmethrin, Ronnel (Fenchlorphos), Simeconazole, Simetryn, Spiromesifen, Sulfotep, Tebuconazole, Tebufenpyrad, Tebuthiuron, Tecnazene, Tefluthrin, Terbacil, Terbufos, Terbufos sulfone, Terbumeton, Terbuthylazine, Terbutryn Tetraconazole, Tetradifon, Tetramethrin, Tetrasul, Thiometon, Tolclofos-methyl, Tralkoxydim, Transfluthrin, Triadimefon, Triadimenol, Triallate, Triazophos, Trichlorfon, Trichloronat, Trichlorophenol- 2,4,6, Trifloxystrobin, Triflumizole, Trifluralin, Trimethacarb, -2,3,5, Trimethacarb, -3,4,5, Triticonazole, Uniconazole-P, Vinclozolin cis-1,2,3,6-Tetrahydrophthalimide (THPI), Isoxadifen-ethyl	
Fruits and Vegetables with high water content: (continued)	Determination of pesticide residues (Positive Ionization) 2,4-Dimethylaniline, 2-Amino-4-methoxy-6-methyl-1,3,5-triazine, 2-Naphthaleneacetic acid, 2.4 Dimethylphenyl-N-methyl formamidine (metabolite Amitraz), 3,5, 6-Trichloro-2-pyridinol, 6-Chloro-3-phenylpyridazin-4, Acetamiprid, Acetamiprid-N-desmethyl, Acetochlor, Acibenzolar-S-Methyl, Aclonifen, Afidopyropen, Alachlor, Albendazole, Aldicarb, Aldicarb-sulfone, Aldicarb-sulfoxide, Allethrin, Allidochlor, Ametoctradin, Ametryn, Amicarbazone, Amidosulfuron, Aminocarb, Amisulbrom, Analycarb, Ancymidol, Anilofos, Asana (Esfenvalerate), Aspon, Asulam,, Atraton,	In house method based on ELOT EN 15662:2018 and SANTE/11312/2026 (O_EXYΠ.X4.11) with LC-QTOF

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Atrazine, Atrazine 2-Hydroxy, Atrazine-desethyl, Atrazine desisopropyl, Avermectin,, Azaconazole, Azamethiphos, Azimsulfuron, Azinphos-ethyl, Azinphos-methyl, Aziprotryne, Azoxystrobin, BTS 44596 (metabolite prochloraz), Barban, Beflubutamid, Benalaxyl, Benazolin-ethyl ester, Bendiocarb, Benodanil, Benoxacor, Bensulfuron-methyl, Bensulide, Benthiavalicarb-isopropyl, Benzobicyclon, Benzovindiflupyr, Benzoximate, Benzoylprop-ethyl, Benzthiazuron, Benzyladenine, Bicyclopyrone, Bifenazate-diazene, Bifenox , Bioresmethrin, Bistrifluron, Bitertanol, Bixafen, Bixlozone,, Boscalid, Bromfenvinfos, Bromfenvinfos-methyl, Bromuconazole, Bupirimate, Buprofezin, Butachlor, Butafenacil, Butamifos, Butocarboxim-sulfoxide, Butoxycarboxim, Butralin, Butroxydim, Buturon, Butylate, Cadusafos, Cambendazole, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carbofuran -3-keto, Carbofuran-3-hydroxy, Carbophenothion, Carbophenothion-Methyl, Carboxin, Carfentrazone-ethyl, Carpropamid, Chlorantraniliprole, Chlorbenzuron, Chlorbromuron, Chlorbufam, Chlorfenvinphos (Sum of Isomers), Chlorfluazuron, Chloridazone, Chlorotoluron, Chloroxuron,Chlorpropham, Chlorpyriphos, Chlorpyriphos-methyl, Chlorthiamid, Chlorthiophos, Chromafenozide, Cinidon-ethyl, Cinmethylin, Clethodim (Sum of Isomers), Clethodim-sulfone (Sum of Isomers), Clethodim-sulfoxide (Sum of Isomers), Climbazole, Clodinafop acid, Clodinafop-propargyl, Clofentezine, Clomazone, Cloquintocet-1-methyl-hexyl ester, Cloransulam-methyl, Clothiandin, Coumaphos, Coumoxystrobin, Crimidine, Crotoxyphos, Crufomate, Cyanazine,	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Cyanofenphos, Cyanophos, Cyantraniliprole, Cyazofamid, Cyclaniliprole, Cycloate, Cycluron, Cyflufenamid, Cyflumetofen , Cyfluthrin (Sum of Isomers), Cyhalofop butyl, Cyhalothrin (lambda-), Cymiazole, Cymoxanil, Cypermethrin (Sum of Isomers), Cyphenothrin, Cyprazin, Cyproconazole (Sum of Isomers), Cyprodinil, DEET (Diethyltoluamide), DMSA, Deltamethrin, Demeton-O, Demeton-S, Demeton-S-methyl, Demeton-S-methylsulfone, Demeton-S methylsulfoxid (Oxydemeton-methyl), Denatonium Benzoate, Desmedipham, Desmetryn, Dialifos, Diallate, Diazinon, Dichlofenthion, Dichlormid, Dichlorobenzamide, Dichlorvos, Diclobutrazol, Diclosulam, Dicrotophos, Diethofencarb, Difenacoum (Sum of Isomers), Difenoconazole (Sum of Isomers), Difenoxuron, Diflubenzuron, Diflufenican, Dimefuron, Dimethachlor, Dimethenamid, Dimethirimol, Dimethoate, Dimethomorph (Sum of Isomers), Dimethylvinphos, Dimoxystrobin, Dinotefuran, Dioxacarb, Dioxathion, Diphacinone, Diphenamid, Dipropetryn, Disulfoton, Disulfoton-sulfone, Disulfoton-sulfoxide, Dithiopyr, Diuron, Dodemorph (Sum of Isomers), Dodine, Doramectin, Drazoxolon, Edifenphos, Emamectin -benzoate, Enoxastrobin, Epoxiconazole, Eprinomectin, Etaconazole, Ethametsulfuron-methyl, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Etobenzanid, Etofenprox, Etoxazole, Etrimfos, Famoxadone, Famphur, Fenamidone, Fenaminstrobin, Fenamiphos, Fenamiphos – sulfone, Fenamiphos sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenfuram, Fenhexamid, Fenitrothion, Fenobucarb, Fenoxanil	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	(Sum of Isomers), Fenoxaprop-ethyl, Fenoxycarb, Fenpiclonil, Fenpicoxamid, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fensulfothion, Fensulfothion-oxon, Fensulfothion-sulfone, Fenthion, Fenthion-oxon, Fenthion-oxonsulfone, Fenthion-oxonsulfoxide, Fenthion-sulfone, Fenthion-sulfoxide, Fenuron, Fenvalerate, Fipronil, Fipronil-Desulfinyl, Fipronil-sulfide, Fipronil sulfone, Flamprop-isopropyl, Flazasulfuron, Flonicamid, Fluazuron, Flubendiamide, Flucarbazone, Flucythrinate (Sum of Isomers), Fludioxonil, Fluensulfone, Flufenacet, Flufenoxuron, Flufenoxystrobin, Flufiprole, Fluindapyr, Flumetsulam, Flumioxazin, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl, Fluotrimazole, Fluoxastrobin, Flupyradifurone, Fluquinconazole, Fluridone, Flurochloridone, Fluroxypyr-meptyl, Flurprimidol, Flurtamone, Flusilazole, Fluthiacet-methyl, Flutianil, Flutolanil, Flutriafol, Fluvalinate, Fluxapyroxad, Fomesafen, Fonofos, Foramsulfuron,, Forchlorfenuron, Formetanate, Formothion, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Furmecyclox, Griseofulvin, Halofenozide, Halosulfuron-methyl, Haloxyfop ethoxyethyl ester, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Icaridin, Imazalil, Imazamethabenz-methyl, Imazosulfuron, Imibenconazole, Imidacloprid, Imiprothrin, Indaziflam, Indoxacarb, Inpyrfluxam, Ipconazole, Iprobenfos, Iprodione, Iprovalicarb (Sum of Isomers), Isazophos, Isocarbamid, Isocarbophos , Isofenphos, Isofenphos-methyl, Isoflucypram, Isopropalin, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxaflutole, Isoxathion, Ivermectin,	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Karanjin, Kresoxim-methyl, Lactofen, Lenacil, Linuron, Lufenuron, Malaoxon, Malathion, Mandestrobin, Mandipropamid, Mecarbam, Mefenacet, Mefenpyr-diethyl, Mefentrifluconazole, Mefluidide, Mepanipyrim, Mephosfolan, Mepronil, Mesosulfuron-methyl, Mesotrione, Metaflumizone, Metalaxyl, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methacrifos, Methamidophos, Methidathion, Methiocarb, Methiocarb-sulfone, Methiocarb-sulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metolcarb, Metosulam, Metoxuron, Metrafenone, Metribuzin, Metsulfuron-methyl, Metyltetraprole, Mevinphos, Mexacarbate, Milbemectin A4, Molinate, Monalide, Monocrotophos, Monolinuron, Monuron, Myclobutanil, N-(4-Bromophenyl)urea, N-2-4-Dimethylphenylformamide (DMF. Metabolite Amitraz), Naphthalene acetamide, Napropamide, Neburon, Nicosulfuron, Nitenpyram, Norflurazon, Novaluron, Nuarimol, Ofurace, Omethoate Orbencarb, Orthosulfamuron, Oxadiazon Oxadixyl, Oxamyl, Oxamyl oxime, Oxasulfuron, Oxfendazole, Oxycarboxin, Oxyfluorfen, Paclobutrazole, Paraoxon, Paraoxon-methyl, Parathion, Parathion-methyl, Pebulate, Penconazole, Pencycuron, Pencycuron-PB-amine, Pendimethalin, Penflufen, Penfluron, Penoxsulam, Pentanochlor, Penthiopyrad, Pethoxamid, Phenmedipham, Phenothrin, Phenthoate, Phorate, Phorate-oxon-sulfone, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosmet, Phosmet-oxon, Phosphamidon, Phoxim, Picarbutrazox, Picolinafen, Picoxystrobin, Pinoxaden, Piperonylbutoxide, Piperophos, Pirimicarb, Pirimicarb Desmethyl, Pirimicarb Desmethylformamido,	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Pirimiphos-ethyl, Pirimiphos-methyl, Pirimiphos-methyl-N-desethyl, Praziquantel, Pretilachlor, Primisulfuron-methyl, Prochloraz, Prochloraz metabolite BTS 44595, Prochloraz metabolite BTS 44596, Procymidone, Profenophos, Profoxydim, Promecarb, Prometon, Prometryn (Caparol) Propachlor, Propamocarb Propamocarb-N-desmethyl hydrochloride Propamocarb-N-oxide, Propanil, Propargite, Propazine, Propetamphos, Propham, Propiconazole (Sum of Isomers), Propoxur, Propoxycarbazone, Propyzamide, Proquinazid, Prosulfocarb, Prosulfuron, Prothioconazole desthio, Pydiflumetofen, Pymetrozine, Pyracarbolid, Pyraclofos, Pyraclostrobin, Pyraflufen-ethyl, Pyrasulfotole, Pyraziflumid, Pyrazophos, Pyrethrins, Pyributicarb, Pyridaben, Pyridafenthion, Pyridafol, Pyridalyl, Pyridate, Pyrifenox, Pyrifluquinazon, Pyriftalid, Pyrimethanil, Pyrimidifen, Pyriminobac-methyl, Pyriminostrobin, Pyriofenone, Pyriproxyfen, Pyrisoxazole (Sum of Isomers), Pyroquilon, Pyroxsulam, Quassin, Quinalphos, Quinofumelin, Quinoxyphen, Quizalofop-P-ethyl, Quizalofop-P-tefuryl, Rabenzazole, Resmethrin, Rimsulfuron, Saflufenacil, Sebuthylazine, Secbumeton, Sedaxane (Sum of Isomers), Sethoxydim (Sum of Isomers), Siduron (Sum of Isomers), Silthiofam, Simazine, Simeconazole, Simetryn, Spinetoram J, Spinetoram L, Spinosad A, Spinosad D, Spirodiclofen, Spiromesifen, Spirotetramate, Spirotetramate-enol, Spirotetramate-enol-glucoside, Spirotetramate-keto-hydroxy, Spirotetramate-mono-hydroxy, Spiroxamine, Sulfentrazone, Sulfometuron-methyl, Sulfosulfuron, Sulfotepp, Sulfoxaflor, Sulprofos, TCMTB, TEPP, Tebuconazole, Tebufenozide, Tebufenpyrad,	

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Tebupirimphos, Tebutame Tebuthiuron, Teflubenzuron, Tembotrione Temephos, Tepraloxydim, Terbacil, Terbufos, Terbufos-sulfoxide, Terbufos sulfone, Terbumeton, Terbuthylazine, Terbuthylazine-Desethyl, Terbutryn, Tetrachlorvinphos , Tetraconazole, Thiabendazole, Thiabendazole-5-hydroxy, Thiacloprid, Thiamethoxam, Thiazafluron, Thiazopyr, Thiobencarb, Thiodicarb, Thiofanox, Thiofanox sulfone, Thiofanox sulfoxide, Thiomethon, Thionazin, Thiophanate-ethyl, Thiophanate-methyl, Tiocarbazil, Tolclofos-methyl, Tolfenpyrad, Tolyfluanid, Tralkoxydim (Sum of Isomers), Triadimefon, Triadimenol (Sum of Isomers), Triallate, Triasulfuron, Triazophos, Triazoxide, Tribenuron methyl, Tribufos, Trichlorfon, Tridemorph (Sum of Isomers), Trietazine, Trifloxystrobin, Trifloxysulfuron, Triflumezopyrim, Triflumizol, Triflumizole FM-6-1, Triflumuron, Triflusulfuron-methyl, Triforine , Trimethacarb (2.3.5-), Trinexapac-ethyl, Triticonazole, Tritosulfuron, Uniconazole, Vamidothion, Vernolate, Warfarin, XMC (Group of peaks)	
Fruits and Vegetables with high water content: (continued)	Determination of pesticide residues (Negative Ionization) 2,4,5-Trichlorophenoxyacetic acid (2,4,5-T), 2,4-Dichlorophenoxyacetic acid (2,4-D) 2-Methyl-4-chlorophenoxyacetic Acid (MCPA), 2.4.6-Trichlorophenol, 3 5 6-Trichloro-2-pyridinol (Sum of Isomers), 4-(4-Chloro-2-methylphenoxy)butanoic acid (MCPB), 4-Chlorophenoxyacetic acid, 4-nitrophenol, 6-Hydroxybentazone, 8-Hydroxybentazone, Acephate, Acifluorfen, Benazolin, Bentazone, Bromacil, Bromadiolone Tridemorph (Άθροισμα Ισομερών), Bromoxynil, Chlorophacinone, Clodinafop acid, Coumatetralyl, Cycloxydim (Sum of Isomers), Dalapon, Dicamba,	In house method based on ELOT EN 15662:2018 and SANTE/11312/2026 (O_ΕΧΥΠ.Χ4.11) with LC-QTOF

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Dichlorprop, Dinocap-Meptyl Phenol, Dinoseb, Dinoterb, Fenoprop, Fenoxaprop-P, Fipronil-desulfinyl, Fipronil-sulfide, Fipronil-sulfone, Flonicamid metabolite TFNA, Flonicamid metabolite TFNG, Florpyrauxifen-benzyl, Fluazifop, Fluazinam, Flufenacet sulfonic acid (FOE 5043-sulfonic acid), Flufenacet thioglycolate sulfoxide (FOE 5043 thioglycolate sulfoxide), Flufenacet-oxalate (FOE 5043-oxalate), Fluroxypyr, Fomesafen, Forchlorfenuron, Gibberellic acid, Haloxyfop, Hexaflumuron, Inabenfide, Ioxynil, Lufenuron, Mecoprop, Mesotrione , Methoxyfenozide, Nicarbazin, Nitroguaiacol-5, Oryzalin, Quizalofop, Sulfentrazone, Teflubenzuron, Topramezone, Tralkoxydim Tridemorph (Sum of Isomers), Triclopyr	
Fruits and Vegetables with high water content: (continued)	Determination of residues of polar (anionic and cationic) pesticides Chlorate, Ethephon, Fosetyl-Al, Glufosinate, Glyphosate, HEPA, MPPA, N-Acetyl-AMPA, N-Acetyl-Glufosinate, Perchlorate, Phosphonic acid, Amitrole, Chlormequat chloride, Diquat dibromide , Ethylene Thiouria (ETU), Matrine, Mepiquat chloride, Oxymatrine, Paraquat dichloride, Phenylthiourea, Propylene Thiouria (PTU)	In house method based on ELOT EN 18032:2025, (QuPPe-Method) Version 12.3 και SANTE/11312/2026 (O_ΕΧΥΠ.Χ4.12) with LC-MSMS
Fruits and Vegetables with high water content: (continued)	Determination of dithiocarbamate (CS_2) pesticide residues	In house method based on Analysis of residues of dithiocarbamate fungicides in low-oil content food of plant origin involving cleavage into carbon disulfide, partitioning into isooctane and measurement by GC-MS/MS or GC-ECD Version 3.2 και SANTE/11312/2026 (O_ΕΧΥΠ.Χ4.14) με GC-MSMS
Plastics	Water Absorption	ASTM D570 & ISO 62

Materials/ Products to be tested	Types of test I Properties to be measured	Applied methods / Techniques to be used
	Fire hazard testing - Horizontal Burning Test	IEC 60695-11-10 Method A - Horizontal Burning
	Fire hazard testing - Vertical Burning Test	IEC 60695-11-10 Method B - Vertical Burning
	Fire hazard testing - Needle Flame Test	IEC 60695-11-5
	Resistance of Plastics to Chemical Reagents	ASTM D543, ISO175
	Determination of VICAT softening point (VST)	ASTM D1525, ISO 306
	Weathering Test with Xenon Arc	ISO 4892-2
		EN 50483
Metals and alloys	Measurement of thickness of metallic coatings by the Coulometric Method	ASTM B504 & ISO 2177
	Gravimetric determination of the mass or mass per unit area of Coating on Iron and steel articles with Zinc or Zinc-Alloy Coatings	GR 181-XK 11.02, ASTM A-90, ISO 1460
Metals and alloys, Paints and varnices	Corrosion Test – Salt Spray Test	IEC 60068-2-11, ISO 9227 NSS test & ASTM B117
	Corrosion– Sulfur Dioxide test in a humid atmosphere: 1. Determination of mass change 2. Determination of appearance of corrosion and initiation time of corrosion	ISO 22479
Low voltage aerial bundled cable accessories	Test for permanent marking	EN 50483-1
Low voltage fuses (and fuse-links)	Resistance to rusting	IEC 60269-1
	Resistance to season cracking	IEC 60269-1
Polymeric HV insulators for indoor and outdoor use	Dye Penetration test	IEC 62217

Microbiological tests		
Water (potable water,	Enumeration of total viable count at	ISO 6222:1999

groundwater, surface water, swimming pool waters)	22± 2°C	
	Enumeration of total viable count at 36± 2°C	ISO 6222:1999
	Detection and enumeration of *Clostridium perfringens* (except for spores)	ISO 14189: 2013
	Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266-1:2006
	Detection of *Salmonella spp*	ISO 19250:2010
	Detection and enumeration of somatic coliphages	In house method based on: 1. ISO 10705-02:2000 2. BluePhage kit (BP1601) 3. BluePhage kit (BP1604)
Water (potable water, groundwater, surface water, recreational waters, swimming pool waters)	Detection of pathogenic coagulase positive Staphylococci	APHA 9213 B, 24th edition
Water (potable water, groundwater, surface water, swimming pool waters and sea waters)	Detection and enumeration of enterococci	ISO 7899-2: 2000
	Detection and enumeration of total coliforms	ISO 9308-1: 2014 /Amd 1:2016
	Detection and enumeration of *Escherichia coli*	ISO 9308-1: 2014 /Amd 1:2016
Water with low background (matrix A)	Enumeration of *Legionella*	ISO 11731:2017
Water with high background (matrix B)	Enumeration of *Legionella*	ISO 11731:2017
Surface water, ground water and wastewater	Detection and enumeration of enterococci	ISO 7899-2: 2000
	Detection and enumeration of total coliforms	APHA 9222B, 24th edition
	Detection and enumeration of *Escherichia coli*	APHA 9222H, 24th edition
	Detection and enumeration of fecal coliforms	APHA 9222D, 24th edition
	Detection and enumeration of *Clostridium perfringens* (except for spores)	ISO 14189: 2013
Final effluent from biological treatment	Detection and enumeration of total coliforms	ISO 9308-1: 2014 /Amd 1:2016
	Detectiona and enumeration of *Escherichia coli*	ISO 9308-1: 2014 /Amd 1:2016
	Detection and enumeration of enterococci	ISO 7899-2: 2000
	Detection and enumeration of *Clostridium perfringens* (except for spores)	ISO 14189: 2013

Food and animal feeding stuff	Enumeration of the total aerobic micro-organisms at 30 °C	ISO 4833-1:2013
	Horizontal method for the enumeration of coliforms	ISO 4832:2006
	Enumeration of β-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	Enumeration of coagulase – positive staphylococci (*Staphylococcus aureus* and other species)	ISO 6888-1:2021
	Detection of non-typhi and non-paratyphi *Salmonella* spp.	ISO 6579-1:2017/Amd 1:2020
	Detection of *Listeria monocytogenes*	ISO 11290-2:2017
	Enumeration of *Listeria monocytogenes*	ISO 11290-1:2017
	Enumeration of presumptive *Bacillus cereus*	ISO 7932:2004
	Detection and enumeration of Enterobacteriaceae	ISO 21528-2:2017
	Enumeration of *Cl. perfringens* (except for spores)	ISO 15213-2:2023
	Enumeration of sulfite-reducing *Clostridium spp* (except for spores) †	ISO 15213-1:2023 † Except for feed that contains additives such as copper (Annex D)
	Detection and enumeration of *Campylobacter spp*	ISO 10272-2: 2017
	Enumeration of mesophilic lactic acid bacteria	ISO 15214:1998
	Detection of *E. coli* O157	ISO 16654:2001
Samples from surfaces used for food processing	Enumeration of the total aerobic micro-organisms at 30 °C	ISO 4833-1:2013
	Horizontal method for the enumeration of coliforms	ISO 4832:2006
	Enumeration of β-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	Enumeration of coagulase – positive staphylococci (*Staphylococcus aureus* and other species)	ISO 6888-1:2021
	Detection of non-typhi and non-paratyphi *Salmonella* spp.	ISO 6579-1:2017
	Detection of *Listeria monocytogenes*	ISO 11290-2:2017
	Enumeration of *Listeria monocytogenes*	ISO 11290-1:2017
	Enumeration of *Cl. perfringens* (except for spores)	ISO 15213-2:2023

	Enumeration of sulfite-reducing *Clostridium spp* (except for spores)	ISO 15213-1:2023
	Enumeration of *Campylobacter spp*	ISO 10272-2: 2017
Environmental samples from primary production stages	Detection of non-typhi and non-paratyphi *Salmonella* spp.	ISO 6579-1:2017
	Detection and enumeration of *Campylobacter spp*	ISO 10272-2: 2017
Food and animal feeding stuffs with $a_w > 0,95$	Enumeration of yeasts and moulds	ISO 21527-1:2008
Food and animal feeding stuffs with $a_w \leq 0,95$	Enumeration of yeasts and moulds	ISO 21527-2 :2008
Soils, sludge, sediments	Enumeration of *Escherichia coli*	Method based on ISO 16649-2:2001 in accordance with Commission Decision (EU) 2022/1244 of 13 July 2022 (ISO 16649-2; EU 2022/1244)
	Detection of non-typhi and non-paratyphi *Salmonella* spp.	Method based on ISO 6579-1:2017 in accordance with Commission Decision (EU) 2022/1244 of 13 July 2022 (ISO 6579-1; EU 2022/1244)
Immunobiochemical tests		
Food	Determination of gliadin/gluten	In-house method based on: 1. RidaScreen Gliadin (R7001) 2. AOAC 991.19-2001 and 2012.01-2012
Food	Detection of allergen “milk proteins”	In-house method based on: 1. RidaScreen Fast Milk (R4652)
Sampling		
Transformer oils and insulating oils	Sampling of transformer oils and insulating oils	EN IEC 60475:2022 ASTM D 923-15
Water samples (Drinking waters from treatment works and piped distribution systems, sea waters, waste waters, surface waters, underground waters, swimming pool waters)	Sampling of physicochemical parameters	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-4:2026 ISO 5667-5:2006 ISO5667-9:1992 ISO 5667-10:2020 ISO 5667-11:2009 ISO 5667-14:2014
	Sampling of microbiological parameters	ISO 19458:2006
Surface samples using stick swabs for microbiological analysis	Horizontal methods for surface sampling for microbiological analysis	ISO 18593:2018

Site of assessment: **Laboratory permanent premises, 9 Leondariou Str., Kantza, Pallini, Attiki, Greece.**

Approved signatories: **M. Bomboulos, E. Oikonomopoulos, F. Deligianni, D. Dimitroulis, L. Ntotsika, K. Bourouti, N. Tzimotoudis, E.Bitsika, N.Almpantaki.**

This Scope of Accreditation replaces the previous one dated 25.02.2026.
The Accreditation Certificate No. **90**-9, to ELOT EN ISO/IEC 17025: 2017, is valid until 02.07.2027.

Athens, 01.09.2026

Konstantinou Evangelos Apostolos
CEO of ESYD