Hellenic Accreditation System

Annex F1/A31 to Certificate No. **44-9**

SCOPE of ACCREDITATION

of the
Testing Laboratory
of
VELTIA S.A. (Veltia Labs for Life)
(Laboratory in Sindos)

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
Chemical Tests		
1. Food (flexibility concerns different categories of foods in different tests and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	1. Determination of Moisture – Total Solids	Modified AOAC (AOAC Lat. Ed) methods for each category of products
	2. Determination of Ash	Modified AOAC (AOAC Lat. Ed) methods for each category of products
	3. Determination of Fat Content	Modified AOAC (AOAC Lat. Ed) and ISO methods for each category of products
	4. Determination of Proteins	Modified AOAC (AOAC Lat. Ed) methods for each category of products
	5. Determination of Dietary Fibers	Modified AOAC (AOAC Lat. Ed) methods for each category of products
2. Food and oils (flexibility concerns different categories of foods in different elements and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of metallic elements	Modified method using ICP-MS O.07.138

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
3. Food and Drinks (flexibility concerns different categories of foods in different tests and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	1. Determination of Sorbic Acid	Modified method based on ISO 3496-1994 ISO 22855:2008 / O.07.134
	2. Determination of Benzoic Acid	Modified method based on ISO 3496-1994 ISO 22855:2008 / O.07.134
	3a. Determination of total Sulfur Dioxide (SO_2), (HACH)	Modified method using distillation in a nitrogen stream / O.07.136
	3b. Determination of total Sulfur Dioxide (SO_2) (with Discrete analyzer)	Modified method based on AOAC 990.28 and with Discrete Analyzer D06736_06 insert O.07.136
	4. Determination of Propionic acid	Modified method using HPLC-DAD / O.07.152
4. Food	Determination of sugars (Fructose, glucose, sucrose, maltose, lactose)	Modified method based on 982.14 (AOAC Lat. Ed.) O.07.137
5. Animal Feed (Flexibility concerns animal feeds in various tests and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	1. Determination of Moisture	Method based on ISO methods for each category of products
	2. Determination of Ash	Method based on ISO methods for each category of products
	3. Determination of Fat Content	Method based on ISO methods for each category of products
	4. Determination of Protein	Method based on ISO methods for each category of products
	5. Determination of Crude Fiber	Method based on ISO methods for each category of products
	6. Determination of metallic elements	Modified method using ICP-MS O.07.138
6. Vegetables, fruits and products thereof	Determination of nitrate ions NO_3^-	Modified method based on EN 12014-2 / O.07.133
7. Meat and meat products, cold cuts	1. Determination of nitrate and nitrite salts (with Discrete analyzer)	Internal Method with Discrete Analyzer AQ300 EPA-126-D Rev3 O.07.155
	2. Determination of hydroxy-proline (collagen)	Modified method based on ISO 3496-1994 / O.07.139
Test categories **1**, **2, 3, 5** and **7.1** are included in flexible scope and the laboratory can modify, improve and develop new techniques by providing accredited tests. Accredited tests are described in detail in the list of tests accredited in flexible scope on the laboratory's website.		
8. Fruits, vegetables, juices, jams, syrups, compotes	Determination of soluble dry residue (Brix)	Modified method based on Regulation (EE) 974/2014 O.07.150
9. Juices, soft drinks, tea, alcoholic beverages, food	Determination of Ethanol (enzymatic)	Modified method based on AOAC 2019.08, O.07.153

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
10. Milk and dairy products, food	Determination of Lactose (enzymatic)	Modified method based on AOAC 2020.08, O.07.154
11. Food of plant origin (based on ESYD/G-FYTOPROST 2016 and SANTE lat. ed.) a) Fruits and vegetable with high water content b) Cereals and legumes c) High fat content products of plant origin d) Difficult or unique commodities e) High sugar content products of plant origin (The flexibility concerns food of plant origin and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of pesticide residues (flexible scope) of the categories: Organophosphates, Organochlorines, Pyrethroids, Carbamates, Triazoles, Triazines, Dinitroanilines, Amides, Bendimidazoles, Benzoyl-ureas, Sulfonyl-ureas, Phenyl-ureas, Strobilurins, Neonicotinoids, Aryloxy-alcanoic acids, polars and high polar, acid (conjugates, salts and/or esters), phenoxy carboxylic acids, dithiocarbamates, Aminolalcohols, Glyphosate/Glufosinate, Paraquate/Diquate, Guazatine, Ethylene Oxide and its metabolite 2- Chloroethanol, and others	Modified method UPLC-MS/MS O.02.001 Modified method GC-MS/MS O.02.001 Modified method GC-MS/MS O.02.022 Modified method LC-MS/MS O.02.034 Modified method UPLC QTOF O.02.036 Modified method LC-MS/MS and LC-DMS-MS/MS O.02.037 Modified method LC-MS/MS O.02.038
12. Infant and baby foods (The flexibility concerns infant and baby food and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of pesticide residues (flexible scope) of the categories: Organophosphates, Carbamates, Triazoles, Triazines, Dinitroanilines, Amides, Bendimidazoles, Benzoyl-ureas, Sulfonyl-ureas, Phenyl-ureas, Strobilurins, Neonicotinoids, Aryloxy-alcanoic acids and others	Modified method UPLC-MS/MS O.02.001

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
13. Food and Drinks, Infant and Baby Foods, Animal Feed (The flexibility concerns various categories of food, infant and baby food, animal feeds and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of Mycotoxins / Ergot Alkaloids / Alternaria Toxins / Contaminats (Coumarin)/ (Histamine) in flexible scope:	Modified method UPLC-MS/MS O.02.021
14. Food of animal origin (The flexibility concerns food of animal origin and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of Perfluoroalkyl and Polyfluoroalkyl substances (PFAS), (21 substances)	Internal method with modified QUECHERS and solid phase extraction (SPE) and determination by LC-MS/MS O.02.041
15. Water (flexibility concerns various categories of water, except sea water and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of pesticide residues (flexible scope):	Modified method UPLC-MS/MS O.02.020 Modified method GC-MS/MS O.15.001
Categories **11**, **12**, **13**, **14** and **15** are included in flexible scope. Flexibility concerns: (a) the addition of a new substrate to an existing method / and technique, (b) the addition of an active substance to an existing method / and technique, (c) the addition of equipment to an existing method with the same or similar technique and (d) the modification of characteristics of existing methods (change of functional range of determination, change of quantification limit, etc.). Accredited tests are described in detail in the list of tests accredited in flexible scope on the laboratory's website.		
16. Waters (flexibility concerns various categories of water, except sea water and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of contaminants anions in flexible scope (Bromates, Chlorates, Perchlorates)	Modified method by LC-MS/MS direct injection (*) O.01.045
Category **16** is included in flexible scope. Flexibility concerns: (a) the addition of a new substrate to an existing method / and technique, (b) the addition of an active substance to an existing method / and technique, (c) the addition of equipment to an existing method with the same or similar technique and (d) the modification of characteristics of existing methods (change of functional range of determination, change of quantification limit, etc.).		

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
Accredited tests are described in detail in the list of tests accredited in flexible scope on the laboratory's website.		
17. Waters (flexibility concerns various categories of water, except sea water and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of ions and other physicochemical parameters in a flexible scope pH, Conductivity, Chloride ions, Sulphate ions, Hardness (Calculation of Temporary and Permanent Hardness), Nitrite ions, Ammonium ions, Nitrate ions, COD, hexavalent Chromium, Turbidity, free cyanides, free Chlorine, colour, fluoride ions, total solids, Total Alkalinity, Phenolphthalein Alkalinity (Calculation of Carbonate ions (CO_3^{2}) and Bicarbonate ions (HCO_3^{-})), sulfates, Total Nitrogen	Modified method based on ISO, APHA-Standard method lat. ed. (*) HACH LCK Photometer Titration pHmeter Discrete analyzer
18. Waters (flexibility concerns various categories of water, except sea water and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of elements by ICP-MS	Modified method based on 3125 A, B (APHA-Standard Methods) lat. ed. (*) O.01.040 ICP-MS
19. Waters (flexibility concerns various categories of water, except sea water and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of water contaminants in a flexible scope of different categories such as: • Determination of polycyclic aromatic hydrocarbons PAHs • Determination of polychlorinated biphenyls PCBs • Determination of polychlorinated triphenyl PCTs • Determination of volatile compounds VOCs • Determination of Geosmin, 2-methylisoborneol (GC-MS/ HS-SPME) • Determination of epichlorohydrin • Determination of acrylamide • Determination of phenolic compounds • Determination of Hydrocarbons in solution or in emulsion - Mineral oils (fats and oils) • Determination of sum / total perfluoroalkyl and polyfluoroalkyl substances (PFAS) • Determination of Haloacetic acids (HAAs) • Determination of Bisphenol A • Determination of Microcystin LR • Determination of Nonylphenol (cas no 84852-15-3) • Determination of 17β-estradiol (cas no 50-28-2)	Modified method based on ISO, AOAC method Lat. Ed. by (*) GC-MS-MS LC-MS-MS GC-FID GC-MS/HS-SPME Large volume injection Direct injection
The parameters in categories **16, 17, 18** and **19** comply with the performance criteria as stated in Directive (EU) 2020/2184 of the European Council, regarding the quality of water for human consumption.		

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
20. Swimming pool water (flexibility concerns swimming pool water and is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	Determination of physicochemical parameters in a flexible scope pH, total Alkalinity, Turbidity	Modified method based on ISO, APHA-Standard method lat. ed. by HACH LCK Photometer pH-meter
Test categories **17, 18, 19**, and **20** are included in flexible scope. Flexibility concerns: (a) the addition of a new substrate to an existing method / and technique, (b) the addition of an active substance to an existing method / and technique, (c) the addition of equipment to an existing method with the same or similar technique and (d) the modification of characteristics of existing methods (change of functional range of determination, change of quantification limit, etc.). Accredited tests are described in detail in the list of tests accredited in flexible scope on the laboratory's website.		
(*) Methods marked with (*) comply with the performance criteria specified in ΚΥΑ Δ1(δ)/ΓΠ οικ. 27829 (ΦΕΚ3525/Β/25-5-2023) concerning the quality of drinking water.		
21. Wastewater	1. Determination of chloride ions	Modified method based on: 4500-Cl, B (APHA, Standard Methods lat. ed.) O.01.007
	2. Determination of pH	4500-H, B (APHA, Standard Methods (APHA, Standard Methods lat. ed.) O.01.005
	3. Determination of conductivity	2510 B (APHA, Standard Methods lat. ed.) O.01.006
	4. Determination of COD	HACH LCK 314, LCK 514 O.01.023
22. Soil (flexibility is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	1. Determination of physicochemical parameters in a flexible scope total $CaCO_3$, organic Carbon, Nitrates, Phosphorus, Mechanical Composition, Conductivity, pH	Modified methods based on SSSA , ISO method Lat. Ed. by: Titration pHmeter Densitometer Conductometer Pressure calcimeter Photometer – UV-vis Discrete analyzer
	2. Determination of pesticide residues in a flexible scope	Modified methods based on ISO, AOAC method Lat. Ed. by GC-MSMS/ LC-MS/MS
	3. Determination of Elements in a flexible scope Cu, Zn, Mn, Fe, Mg, K, B, Pb, Cd, Ni, Cr, Co, As, Hg, Cu, Zn	Modified methods based on ISO, AOAC method Lat. Ed. by ICP-OES extractable ICP-MS after digestion

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
23. Leaves / plant tissues (flexibility is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	1. Determination of Total Nitrogen in a flexible scope	Modified method with Elemental analyzer
	2. Determination of Trace Elements and Macroelements in a flexible scope Ca, Mg, K, Na, Cu, Fe, Zn, Mn, P, B	Modified methods by ICP-MS
Test categories **22** and **23** are included in flexible scope. Flexibility concerns: (a) the addition of a new analyte to an existing method / and technique, (b) the addition of equipment to an existing method with the same or similar technique and, (c) the modification of characteristics of existing methods (change of functional range of determination, quantification limit, etc.). Accredited tests are described in detail in the list of tests accredited in flexible scope on the laboratory's website.		
24. Liquid Fertilizers	Determination of total Kjeldahl nitrogen (N)	Modified method based on: EN 15750 O.08.101
25. Solid and Liquid Fertilizers	1. Determination of Water Soluble Phosphorous (P_2O_5)	Modified method based on: Regulation (EU) 2003/2003M.3.1.6 and M.3.2 O.08.103
	2. Determination of Water-Soluble potassium (K_2O)	Modified method based on: EN 15477:2009 (Flame photometry) O.08.104
	3. Determination of Total Nitrogen (N) by DUMAS method	Modified method based on: AOAC 993.13 O.08.102
	4. Determination of elements As, Cd, Co, Cr, Hg, Pb, Mo, Ni	Modified method based on AOAC method 2017.02 O.08.105
26. Liquid and solid formulations of plant protection products. (flexibility concerns various formulations and various active substances is described in detail in the list of tests accredited in flexible scope on the laboratory's website).	1. Quantitative determination of active substance using HPLC Acetamiprid και Dimethoate	Modified method based on: CIPAC L, 649/TC/M/2.1 + CIPAC E, 59/TC/M3/3 (HPLC-DAD) O.08.301
	2. Quantitative determination of active substance using GC Etofenprox	Modified method based on: CIPAC K, 471/TC/M/2.1 (GC-FID) O.08.302

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
Test categories **26** are included in flexible scope. Flexibility concerns: (a) the addition of a new analyte to an existing method / and technique, (b) the addition of equipment to an existing method with the same or similar technique and, (c) the modification of characteristics of existing methods (change of functional range of determination, quantification limit, etc.). Accredited tests are described in detail in the list of tests accredited in flexible scope on the laboratory's website.		
27. Liquid and solid formulations of plant protection products.	1. Determination of pH	CIPAC J, MT 75.3 O.08.303
	2. Quantitative determination of non-dispersible material	CIPAC K, MT 185 (wet sieve) O.08.305
28. Liquid formulations of plant protection products.	Determination of density	Modified method based on CIPAC F, MT 3.1 O.08.304
29. Solid formulations of plant protection products.	Determination of the time of complete wetting of wettable powders	CIPAC F, MT 53.3 O.08.306
Organoleptic (Sensory) Tests		
1. Potable water	1. Odour	Modified method based on 2160 C (APHA, Standard Methods lat. ed.) (*) O.01.033
	2. Taste	Modified method based on 2160 C (APHA, Standard Methods lat. ed.) (*) O.01.033
Physical Tests		
1. Potable water, irrigation water, ground and surface water	1. Determination of Tritium	Modified method based on EN ISO 9698:2016 by LSC (**) O.01.036
	2. Determination of gross a & gross b activity concentration for the determination of Total Indicative Dose	Modified based on EN ISO 11704:2015 by LSC (**) O.01.041
	3. Determination of Uranium isotopes using ICP-MS: U^{234} and U^{238}	Modified method based on EN ISO 17294-2 (**), conforming to Presidential Act 12-1057-2016 (GG 241B-2016) and Guideline 2013-51-EURATOM O.01.035
(**) Methods marked with (**) comply with the performance criteria as referred to ΚΥΑ Δ1(δ)/ΓΠ οικ. 27829 (ΦΕΚ3525/Β/25-5-2023) concerning the quality of drinking water and in particular ΦΕΚ 241/Β/9-2-2016.		

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
Sampling		
1. Potable water, borehole water, seawater	1. Determination of physical-chemical parameters	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-9:1992 ISO 5667-5:2006, ISO 5667-11:2009
	2. Determination of microorganisms	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-9:1992 ISO 5667-5:2006, ISO 5667-11:2009, ISO 19458:2006
2. Raw and processed agricultural products (discrete lots)	Sampling for pesticide residue analysis	In-house method based on: ISO 7002:86"Agricultural food products – Layout for a standard method of sampling from a lot", 24333:09 "Cereals and cereal products – sampling" "Commission Directive 2002/63/EC of 11 July 2002 establishing Community methods of sampling for the official control of pesticide residues in and on products of plant and animal origin and repealing Directive 79/700/EEC"

Site of assesement: **Laboratory permanent premises, Industrial Area of Thessaloniki – Sindos, Greece**
Approved signatories: **A. Giannousios, D. Koraki, I. Kaidatzis, M. Stampoulidou, M. Nerantzaki, A. Iakovakis, E. Spanou**

This Scope of Accreditation replaces the previous one, dated 01.08.2025.
The Accreditation Certificate No. **44-9**, according to ELOT EN ISO/IEC 17025:2017, is valid until 26.11.2026.

Athens, 7th of November 2025

Konstantinou Evangelos Apostolos
CEO of ESYD