

CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY
CYPRUS ACCREDITATION BODY



ACCREDITATION CERTIFICATE no. L073-3

The Board of Governors
of the Cyprus Organization for the Promotion of Quality
acting as the authorized Cyprus Accreditation Body
according to the Article 7 of the Law 156(I)/2002

grants accreditation to

Laboratory c.p. FoodLab Ltd

in Nicosia

which has been assessed according to the Accreditation Criteria for
Testing Laboratories as defined in the standard

CYS EN ISO/IEC 17025:2017

as **competent to perform the Methods** defined in the Scope of
Accreditation referred to in the **Annex** of this certificate; the said Annex
represents inextricable part of the certificate. The **Accreditation Scope**
can only be modified after a decision of the Cyprus Accreditation
Body

**The Cyprus Accreditation Body is a Member of the Multilateral
Agreement of European Cooperation for Accreditation (EA-MLA) in the
mentioned field**

The current Accreditation Certificate, no. **L073-3**, is issued on the
23rd January 2025 and is valid until the 3rd June 2027.

Accreditation was granted for the first time on the 4th June 2015.

Dr Stephanie Cleridou
Director

Date: **23rd January 2025**

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management System (joint ISO -ILAC-IAF Communiqué 04/2017).

Annex
of the Accreditation Certificate number L073-3
Scope of Accreditation
of
Laboratory c.p. FoodLab Ltd

Valid as from the 4 June 2023 until the 3 June 2027
***Valid as from the 27 December 2023 until the 3 June 2027**
**** Valid as from the 23 January 2025 until the 3 June 2027**
+Valid as from the 28 March 2023

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Chemical Testing		
Water	1. Determination of sodium	+APHA 3500(A/B)- Na:2023 Flame emission Spectrometry Mthd-Wtr-NaK
	2. Determination of potassium	+APHA 3500(A/B)- K: 2023 Flame emission spectrometry Mthd-Wtr-NaK
	3. Volumetric determination of chloride	+APHA 4500B-Cl:2023 Mthd-Wtr-Cl
	4. Volumetric determination of calcium	+APHA 3500B-Ca:2023 Mthd-Wtr-Ca
	5. Volumetric determination of total hardness	+APHA 2340C:2023 EDTA Mthd-Wtr-Hd

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	6. Determination of nitrites	+APHA 4500B-NO2:2023 Mthd-Wtr-NO2
	7. Determination of sulphates	+APHA 4500E-SO4:2023 Turbimetric method Mthd-Wtr-SO4
	8.**Bisphenol A	In house method based on EPA525.3(HPLC) Mthd-Wtr-BisA
	9.**Permanganate Index	In house method based on ISO 8467:1995 Mthd-Wtr-Perm
	10.Determination of THMs and 1,1,1- trichloroethane, trichloroethene, tetrachloroethene and carbontetrachloride	+APHA 6232 (A/B) 2023 Mthd-wtr-THMs GC-ECD/NPD
	11.Determination of dissolved oxygen in water	CYS EN ISO 5814: 2012 Mthd-Wtr-DO
	12.Determination of Acrylamide	In house method Mthd-wt-acr-LC-MS/MS LC-MS/MS
	13.Determination of chlorophyll a and pheophytin a	In house method based on EPA Method 446.0/ +APHA 10200 H:2023 Visible spectrometry Mthd-wt-chlor
	14. Determination of total dissolved Solids, TDS	+APHA:2540C 2023 Mthd-wt-TDS
	15. Determination of total organic carbon, TOC	+APHA 5310 C 2023 Mthd-Wtr-TOC/TC/IC

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	16. Determination of dissolved organic carbon, DOC	+APHA 5310 C 2023 Mthd-Wtr-TOC/TC/IC
	17. Determination of inorganic carbon, IC and total carbon, TC	In house method based on +APHA 5310 C 2023 Mthd-Wtr-TOC/TC/IC
	18. Determination of cyanides	+APHA 4500-C, E – CN 2023 Mthd-Wtr-CN
	19. Determination of PCBs	Mthd-sl-wt-PCBs based on EPA 8082a GC- ECD
Potable water	**Haloacetic Acids	In house method based on EPA 557 Mthd-Wt-polar IC-MS/MS
Potable water, Surface water	**Bromate, **chlorate, **chlorite	In house method based on EPA 557 Mthd-Wt-polar IC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Potable water, surface water and well waters (underground water)	1. Determination of metals silver Ag, arsenic As, boron B, berilium Be, cadmium Cd, cobalt Co, chromium Cr, copper Cu, mercury Hg, manganese Mn, molybdenum Mo, nickel Ni, lead Pb, antimony Sb, selenium Se, vanadium V, titanium Ti, thallium Tl	ISO 17294-2: 2023 Mthd-Wtr-ICP-MS ICP-MS
	2. Determination of turbidity	CYS EN 7027-1:2016 Mthd-wt-tur
	3. Determination of colour	CYS EN 7887:2011 Mthd-wt-colour
	4. Determination of volatile organic compounds (VOCs, BTEX)	EPA 8260D (SW-846)/ EPA 5030C/ EPA Method 5035s Purge and Trap technique and GC-MS Mthd-VOC-P&T
Sea Water	** Nitrate	In house method based on APHA 4500- NO3-N-C Mthd-Wtr- no2-NO ₃ ⁻

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	**Nitrite	In house method based on UNEP/MED WG.509/18 (25/08/2021) Mthd-Wtr- no2-NO ₂ ⁻
	** Silicate	In house method based on APHA 4500-SiO ₂ D+E Mthd-Wtr- SiO ₂
	**Phosphates	In house method based on CYS-EN ISO 6870:2004 Mthd-Wtr- TP και PO ₄ ³⁻ P
	**Total phosphorus	In house method based on CYS-EN ISO 6870:2004 Mthd-Wtr- TP και PO ₄ ³⁻ P
	Determination of Total Recoverable Petroleum Hydrocarbons (TRPH /TPH)	EPA 3550C /EPA 8015 Mthd- sd-wt-TPH GC-FID/MS
	Determination of total and aliphatic hydrocarbons (by calculation)	EPA3550C /EPA8015 EPA 8260D (SW-846) EPA 8260D (SW-846)/ EPA Method 550
	Determination of volatile organic compounds (VOCs, BTEX)	EPA 8260D (SW-846)/ EPA 5030C/ EPA Method 5035s Purge and Trap technique and GC-MS Mthd-VOC-P&T
Water and sewage	1. Determination of alkalinity	+APHA 2320B:2023 Titrimetric method Mthd-Wtr-Al
	2. Determination of total organic nitrogen by the Kjeldahl method	+APHA 4500 NorgB/C:2023 Mthd-Wt-TKN

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	3. Determination of Ammonia	a) +APHA 4500-NH3C:2023 Titrimetric method Mthd-Wtr-NH3 b) In-house method based on +APHA 4500-NH3B,C:1992 Photometric method Nessler Mthd-Wtr-NH3
	4. FOG (Fat, Oil and Grease)	+APHA 5520 A/B:2023 Mthd-wt-FOG
	5. Determination of conductivity	+APHA 2510 A/B:2023 Mthd-Wtr-CON
	6. Electrometric determination of acidity (pH)	+APHA 4500A:2023 +REG EE 2022/2104 Mthd-Wfd-pH
	7. Determination of total Nitrogen - TN	In house method based on ISO11905-1:98 Mthd-wt-TN
	8. Determination of Cr(VI)	+APHA 3500 Cr D/ +APHA 3500 Cr A, B 2023 Spectrophotometry Mthd-Wtr-Cr
	9. Determination of COD	In house method based on +APHA 2023(5220D) Mthd-wt-COD
	10. Determination of total suspended solids	+APHA 2023(2540D) Mthd-wt-SS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	11. Determination of BOD ₅	+APHA 2023(5210D) Mthd-wt-BOD ₅
Waters, sewage, soil, sediments	Determination of Polycyclic Aromatic Hydrocarbons- PAHs	In house method based on EPA 8310:1986 EPA 5501:1990 Mthd-wt-PAH's
Waters, sewage soil, sediments, sludges, foodstuffs, filters The accreditation is for flexible scope and concerns various categories of samples. The detailed scope can be found in the laboratory's website	Determination of anions and cations Anions Chlorides Cl ⁻ , Sulphate SO ₄ ²⁻ , Nitrates NO ₃ ⁻ , Nitrites NO ₂ ⁻ , Phosphates PO ₄ ³⁻ , Bromides Br ⁻ , Fluorides F ⁻ Cations Calcium Ca ²⁺ , Magnesium Mg ²⁺ , Potassium K ⁺ , Sodium Na ⁺ , Lithium Li ⁺	Mthd-wt-IC-a Ion chromatography +APHA 2023 (4110C) In house method based on EN/ISO14911 Mthd-wt-IC-c CYS EN 12014-2:2017 Mthd-fd-IC-NO3
Water and feeding stuffs	Determination of Trenbolone / Zeranol	In house method Mth-fd-Ztenm LC-MS/MS
Foodstuffs	1. Determination of moisture	AOAC 981.05, AOAC 925:10, AOAC 945:15, AOAC 945.21, AOAC 950.46, AOAC 926.07, AOAC 925.45 Mthd-Fd-Mtr

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	2. Determination of sulfurous acid (Total)	In house method based on AOAC 990.28 ASN 3204 Application SubNote (FOSS 2100 Kjelttec Distillation Unit) Mthd-Fd-SO2
	3. **Sugars Fructose, glucose, sucrose, maltose and lactose	Internal method based on AOAC (series of methods depending on the food) Mthd-Fd-sugars HPLC
	4. Determination of fat by hydrolysis	In-house method based on AOAC method (922.06, 989.05) Mthd-Fd-fat-hyd
	5. Determination of: cadmium Cd, lead Pb, mercury Hg	In house method Mthd-Fd-ICP-MS ICP-MS
	6. Determination of acrylamide	BSI 2012/03062 Mthd-Fd-acr-LC-MS/MS LC - MS/MS
	7. Determination of sodium Na potassium K	AOAC 969.23 Mthd-Fd-NaCl Flame photometry
	8. Determination of saturated fatty acids	EN ISO 12966-1:2014 EN ISO 12966-2:2017 EN ISO 12966-4:2015 Mthd-fd-FAME GC-MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	9.Determination of total dietary fibres	AOAC 985.29 Mthd-Fd-diet fiber
	10.Determination of total chlorides (as NaCl)	In house method based on AOAC 935.43, Mthd-Fd-NaCl
	11.Determination of ash	AOAC 900.02, AOAC 945.46, AOAC 923.03, AOAC 920.153, AOAC 925.51, AOAC 920.93 Mthd-Fd-Ash
	12.Determination of pH	AOAC 943.02 Mthd-Wfd-pH
	13.Determination of sorbic and benzoic acids	664.8.035:543.544 Nordic Committee on Food Analysis HPLC Mthd-Fd-Presv/LC UDC
Edible vegetable oils	1. Titrimetric determination of acidity	+COI/T.20/Doc.No34 +REG (EE) 2022/2104 +REG (EE) 2022/2105 Mthd-Fd-Oil
	2. Determination of the K232, K270 και ΔK in edible oils using Spectrophotometry	+REG EU 2022/2104 +KAN EE 2022/2105 Mthd-Fd-K
Fats and oils	Determination of the peroxide value	AOAC: 965.33 +REG EU 2022/2104 +REG (EE) 2022/2105

Materials / Products	Type of testing / Countable properties	Methods / Techniques
		Mthd-Fd-PV
Honey	1. Determination of HMF	Hydroxymethylfurfural after White, Harmonised methods of the International Honey Commission 2009 Mthd-Fd-HMF UV Spectrophotometry
	2. Determination of Diastase activity	Diastase, determination of diastase activity after Schade, Harmonised methods of the International Honey Commission 2009 Mthd-Fd-Diast Vis Spectrophotometry
Honey and feeding stuffs	Determination of antibiotics residues of the categories : Amphenicoles, Tetracyclines, Fluorocinolones, Sulphonamides, Penicillin G, Trimethoprim, Tiamulin	Hammel et al., 2008 Journal Of Chromatography A 1177 58-76 Mthd-antib-LC-MS/MS LC –MS/MS
Fish and fisheries products	Determination of histamine	In house method based on ISO 19343:2017 and article T.C. de Figueiredo et al./Talanta 142(2015) 240-245 HPLC, LC MS/MS Mthd-Fd-mod-His
Vegetables and vegetable products	Determination of nitrate and/or nitrite ions	CYS EN 12014-2:2017 Mthd-fd-IC-NO3 Ion Chromatography

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Plants, foodstuffs and animal feeding stuffs The accreditation is for flexible scope and concerns <i>various categories of samples</i> . The detailed scope can be found in the laboratory's website	Determination of, Aluminum Al, Arsenic As, Barium Ba, Calcium Ca, Cadmium Cd, Chromium Cr, Copper Cu, Iron Fe, Magnesium Mg, Manganese Mn, Molybdenum Mo, Nickel Ni, Lead Pb, Antimony Sb, Selenium Se, Titanium Ti Vanadium V, Zinc Zn, Mercury Hg	In house method based on AOAC: 985.01 (ICP-OES) Meth-fd-ICP ICP-OES
Dried nuts, cereals and animal feeding stuffs The accreditation is for flexible scope and concerns <i>various categories of samples</i> . The detailed scope can be found in the laboratory's website	Determination of aflatoxines B1,G1,B2,G2	AOACmethod (991.31) Mthd-Fd-Afl/LC HPLC–Fluorescence
Meat and meat products	Determination of fat by the Soxhlet method	AOAC method (960.39) Mthd-Fd-fat- sox
Foodstuffs of animal origin (meat and meat products)	Determination of Trenbolone, Zeranol and Nadrolone, Testosterone, Epitestosterone	In house method Mth-fd-Ztenm LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Products of animal and plant origin, bakery products and baked products	Determination of total nitrogen (protein) by the Kjeldahl method	ISO 1871:2009 AOAC 950.36, AOAC 991.20, AOAC 928.08, AOAC 950.36 Mthd-FD2-TKN-pr
Animal feeding stuffs	1.Determination of total chlorides (as NaCl)	In house method based on AOAC 935.43, Mthd-Fd-NaCl
	2.Determination of moisture	AOAC 934.01 Mthd-Fd-Mtr
	3.Determination of ash	AOAC 900.02, AOAC 945.46, AOAC 923.03, AOAC 920.153, AOAC 925.51, AOAC 920.93 Mthd-Fd-Ash
	4.Determination of pH	AOAC 943.02 Mthd-Wfd-pH
<p>1.Milk and milk powder</p> <p>2. Dairy products</p> <p>The accreditation is for flexible scope and concerns various categories of samples. The detailed scope can be found in the laboratory's website</p>	Determination of aflatoxin M1	<p>1. +CYS EN ISO 14501:2021 Mthd-Fd-M1/LC</p> <p>HPLC –Fluorescence</p> <p>2. Romer Labs diagnostics COIAC 1002</p> <p>Mthd-Fd-afl/M1/LC</p> <p>HPLC –Fluorescence</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
<p>a: Dried fruits b: Wines c: Animal feeding stuffs d: Meat products e: coffee f. Dry spies spices and herbs</p> <p>The accreditation is for flexible scope and concerns various categories of samples. The detailed scope can be found in the laboratory's website</p>	<p>Determination of ochratoxin A</p>	<p>A. J. AOAC Vol 86 (6) (2003) B. AOAC 49.6.05 (2001.01) C. AOAC 49.6.04 (2000.03) D. Food additives and contaminants, Vol 19 (6):2002 E. AOAC 49.6.042A (2000.09) F. AOAC, Official Methods of Analysis AOAC, Vol. 100 no 5 2017</p> <p>Mthd-Fd-OTA</p> <p>HPLC –Fluorescence</p>
<p>Plastic materials and articles in contact with foodstuffs</p>	<p>a) Determination of overall migration into aqueous and fatty food simulants D1 (50% ethanol) by total immersion</p> <p>b) Determination of overall migration into aqueous and fatty food simulants D1 (50% ethanol) article filling</p> <p>c) Determination of overall migration into simulants substitutes of fatty foodstuffs (iso-octane, 95% ethanol) by total immersion, by total article filling and by cell method</p>	<p>a) +CYS EN 1186-3:2022 Mthd-Fd-mic</p> <p>b) +CYS EN 1186-3:2022 Mthd-Fd-mic-fl</p> <p>c) +CYS EN 1186-3:2022 Mthd-Fd-mic-rec</p>
<p>Plastic materials and articles in contact with foodstuffs</p>	<p>1. Determination of specific migration Bisphenol A and Benzophenone into aqueous simulants</p> <p>2. Determination of specific migration of Bisphenol A into fatty stimulant sun oil</p>	<p>In house method based on CYS EN EN 13130-13:2005, Mthd-mic-spec.</p> <p>HPLC Diode Array/ fluorescence detector</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Plastics - materials and articles in contact with foodstuffs	Determination of overall migration into a) aqueous food simulants by total immersion and b) aqueous foods simulants by article filling	a) +CYS EN 1186-3:2022 Mthd-Fd-mic b) +CYS EN 1186-3:2022 Mthd-Fd-mic-fl
Non-metallic products for use in contact with water The accreditation is for flexible scope and concerns various categories of samples. The detailed scope can be found in In the laboratory's website.	1. Suitability test of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of water. Extraction and determination of metals: aluminum Al, barium Ba, iron Fe, arsenic As, cadmium Cd, chromium Cr mercury Hg, manganese Mn, nickel Ni, lead Pb, antimony Sb, selenium Se,	BS 6920-2.6:2000 +A2:2014 ICP-OES technique for Al, Ba and Fe ICP-MS technique for As, Cd, Cr, Hg, Mn, Ni, Pb, Sb and Se Mthd-mic-ext-met
	2. Suitability test of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of water- appearance of water (colour, turbidity)	In house method based on BS 6920-2.3:2000+A1:2014 Mthd-mic-app
	3. Suitability test of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of water- odour and taste of water	BS 6920-2.2.2: 2000+A1 2014 Section 2.2 Mthd-mic-odour-taste

Materials / Products	Type of testing / Countable properties	Methods / Techniques
<p>Ceramic articles and materials in contact with foodstuffs</p> <p>The accreditation is for flexible scope and concerns various categories of samples. The detailed scope can be found in the laboratory's website</p>	<p>Migration test-quantitative determination of cadmium Cd and lead Pb</p>	<p>Method Mthd-mic-ceramics-ICP According to Directive 2005/31/EC</p> <p>ICP-OES</p>
<p>Fruits and vegetables with high water content (stonefruits, pome fruits, fruiting vegetables, leafy vegetables, citrus fruits, grapes, root-tuber vegetables, stem vegetables, small fruits, tropical fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous as referred to Regulations EC 396/2005 and EC 178/2006)</p>	<p>Determination of pesticide residues</p> <p>2,6-dichlorobenzamide, 2.3.5 trimethacarb 3 chloroaniline 4 chloroaniline 4,4-dichlorobenzophenone 6-chloro-4-hydroxy-phenyl-pyridazine abamectin b1b abamectin -b1a acephate,acetamiprid acibenzolar-s-methyl aldicarb sulfone aldicarb sulfoxide ametoctradin ametryn aminocarb anilazine anilofos aspon atraton,atrazine azaconazole,azadiractine azamethiphos,azinphos methyl azoxystrobin,benalaxyl benazolin-ethylester bendiocarb benodanil</p>	<p>In house method Mthd-Fd- pest-LC-MS/MS</p> <p>LC-MS/MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	benoxacor bensulfuron-methyl benzoximate benzoylprop-ethyl bioallethrin,bitertanol boscalid,bromacil bromfeninfos bromobutide bromuconazole bupirimate,buprofezin butachlor,butralin buturon,cadusafos cambendazole carbaryl,carbetamide carbofuran,carboxin chlorantraniliprole chlorbromuron chloroxuron chlorpropham chlorpropham 2 chlorpyrifos chlorthal-dimethyl chlorthiophos cinerin I,cinerin ii,clethodim climbazol clodianfop-propargyl clomazone cloquintocet-mexyl clothianidin coumachlor coumaphos crimidin cyanazine cyazofamid cycloxydim cycluron cyflufenamid cyflumetofen cymoxanil cyproconazole	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	cyprodinil cyromazine ,cythioate DDAC,DEET demeton-s-methyl demeton-s-methyl sulfone desmedipham desmethyl-formamido-pirimicarb desmethyl-pirimicarb desmetryn diafenthiuron diazinon,dicaphon dichlobenil,dichlomid dichlorvos diclobutrazol dicrotophos diethofencarb difenoconazole difenoxuron difenzoquat,diflubenzuron dimefuron,dimethachlor dimethipin,dimethirimol dimethoate,dimethomorph dimethomorph-isomer dimethylvinphos dimoxystrobin,diphenamid dipropetryn,disulfoton-sulfon diuron ,dodemorph droquinazide,emamectin b1b emamectin benzoate,epoxiconazole esprocarb,etaconazol,ethalfuralin Ethiofencarb,ethiofencarb sulfone ethiofencarb sulfoxide,ethion ethiprole,ethirimol,ethofumesate etoxazole,etrimfos famoxadone,famphur fenamidone,fenamiphos fenamiphos sulfone fenamiphos sulfoxide fenazaquin,fenbutatin-oxide fenfuram,fenhexamid	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	fenobucarb, fenoxanil fenoxaprop-p, fenoxycarb, fenpiclonil fenpropidin, fenpropimorph fenpyrazamine, fenpyroximate fensulfothion, fenuron, flamprop flamprop-isopropyl, flonicamid, florasulam fluazifop-p-butyl fluazinam flufenacet flufenacet flufenoxuron flumetosulam fluometuron fluopicolide fluopyram fluoroglycofen-ethyl fluoxaprop-p-ethyl fluridone flurpirimidol flurtamone flusilazole fluthiacet-methyl flutolanil flutriafol forchlorfenuron formetanate-HCl formothion fosthiazate fuberidazole furalaxyl, furathiocarb furmecyclox halosulfuron-methyl haloxyfop, haloxyfop-2-ethoxyethyl haloxyfop-p-methyl Heptenophos, hexaconazole Hexazinone, hexythiazox, imazalil imazamethabenz-methyl imazethapyr, pretilachlor imazapic, imidacloprid	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	indoxacarb,ioxathion ioxynil,iprodone iprovalicarb isazophos,isocarbamid isofenphos,isofenphos-methyl isoproc carb,isoprothiolane isoproturon,isopyrazam isoxaben,isoxathion jasmolin I,kresoxim-methyl lactofen,lenacil linuron,malaoxon,malathion mandipropamid, mefenacet mephosfolan mepronil metaflumizone metalaxyl metazachlor metconazole methacrifos methamidophos methidathion methiocarb methiocarb sulfone methiocarb sulfoxide methomyl methomyl-oxime methoprotryne methoxyfenozide metobromuron metolachlor metrafenone metribuzin mevinphos mexacarbate molinate monocrotophos monolinuron monuron myclobutanil	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	nabam napropamide neburon nicosulfuron nitralin nitrapyram nuarimol omethoate orbencarb oryzalin oxadiazon oxadixyl oxamyl paraoxon-ethyl penconazole pencycuron pendimethalin penoxsulam,penthiopyrad pethoxamid,phenmedipham phorat-sulfoxide,phosalone phosmet,phosmet oxon phosphamidon mix e+z isomers phoxim,picoxystrobin pinoxaden,piperophos pirimicarb,pirimiphos methyl profenophos,promecarb, prometon,prometryn propamocarb,propazine prophos, propiconazole propoxur,propyzamide proquinazid,prosulfocarb prothioconazole-desthio pymetrozin,pyraclostrobin pyrethrin i,pyrethrin ii pyridaben,pyridaphenthion pyridat,pyrimethanil pyriproxyfen,pyroquilon pyroxsulam,quinalphos quizalfop free acid quizalofop-p,rotenone	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	siduron,simeconazole simetryn,s-metolachlor spinetoram spinosad A spinosad D spirodiclofen spirotetramat spirotetramat cis-keto-hydroxy spirotetramat cis-enol spirotetramat enol-glucoside spirotetramate mono-hydroxy, spiroxamine sulfoxaflor sulprofos thiabendazole TCMTB Tebuconazole tebufenpyrad tebupririmphos tebutam tebuthiuron teflubenzuron temephos terbufos-sulfoxide terbumeton terbuthylazine terbutryn tetrachlorvinphos thiacloprid thiamethoxam thiobencarb thiodicarb thiofanox sulfone thiophanate methyl tolfenpyrad tralkoxydim triadimefon triadimenol triazophos,trichlorfon trificonazole,	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	tritosulfuron tricyclazole trietazine, trifloxystrobin trifloxysulfuron sodium triflumizole triflumuron triforine 2 warfarin zoxamide	
Fruits and vegetables high water content (stone fruits, pome fruits, fruiting vegetables, leafy vegetables, citrus fruits, grapes, root-tuber vegetables, stem vegetables, small fruits, tropical fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous as referred to Regulations (EC)396/2005 and (EC)178/2006)	Determination of pesticide residues Aclonifen, acrinathrin Alachlor, aldrin Ametryn, atrazine Benfluralin, BHC-alpha, bifethrin Bromophos, bromopropylate Bupirimate, butylate chlormephos chlorpyrifos chlorpyrifos_methyl, cyanophos cycloate, cyfluthrin gamma-cyhalothrin lamda-cyhalothrin cypermethrin, deltamethrin dichlofenthion dieldrin, disulfoton endosulphan ether alpha endosulphan beta-endosulhan endosulphan-sulhpate endrin, EPN, esfenvalarate etofenprox, etoxazole etridiazole, fluotrimazole heptachlor, heptachlor-epoxide hexachlorobenzene iprophenfos, isazophos isodrin, metazachlor metrafenone, mirex, parathion, pentachlorobenzene permethrin, phenthoate	In house method Mthd-Fd- pest-GC-MS/MS GC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	2-phenylphenol piperonyl-butoxide, profluralin propachlor,propargite propazine,propetamphos ronnel(fenchlorphos), spiromesifen sulprofos,tecnazene tefluthrin,tetradifon tetramethrin,tolyfluanid triallate,trifluralin 1,2,3-trichlorobenzene 1,2,4-trichlorobenzene vinclozolin	
Products of plant origin with high fat content.	Determination of pesticide residues 2,6-dichlorbenzamide Allethrin Ametoctradin Ametryn Aminocarb Anilofos Atrazine Azaconazole Azinphos-methyl Benodanil Benoxacor Benzoylprop-ethyl Bromfenvinfos Bromobutide Buturon Carboxine Chlorbromuron Chloridazon Chloroxuron Chlorthal-dimethyl Clofentezine Clomazone Coumachlor Crimidine Cycluron Cyflufenamid Cyprodinil Cythioate DEET Desmethyl-pirimicarb Desmetryn Dichlomid Diclobutrazol	In-house method based on QuEChERS. Technique LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Difenoxuron Dimefuron,Dimethachlor,Dimethirimol Dimethylvinphos ,Dimoxystrobin Diphenamid,Dipropetryn Diuron,Dodemorph,Epoxiconazole Esprocarb,Etaconazole Ethalfuralin,Ethiprole Ethirimol,Ethofumesate Etrimfos,Famphur Fenamidone, Fenamiphos Fenamiphos sulfone Fenamiphos sulfoxide Fenarimol Fenfuram Fenpiclonil Fenpropidin Fenpropimorph Fenpyrazamine Fensulfothion Fenthion sulfoxide Fenuron Florasulam Flumetosulam Fluopyram Fluridone Flurochloridon Flurpirimidol Flurtamone Flusilazole Flutriafol Fuberidazole Furalaxyl Imazamethabenz-methyl Imazapic,Imazethapyr Isocarbamid,Isocarbophos Isofenphos,Isofenphos-methyl Isoprothiolane,Isoxaben Isoxathion,Mephosfolan Mepronil,Metazachlor Metconazole,Methoprotryne Methoxyfenozone,Metobromuron Metolachlor,Metolcarb Metoxuron,Metrafenone Metribuzin,Mevinphos Molinate,Monolinuron Monuron,Napropamide Neburon,Nitenpyram Nitrpyram	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Nuarimol Omethoate Orbencarb Oxadiazon Oxamyl Paclobutrazol Paraoxon-ethyl Pethoxamid Phenylurea Phorat-sulfoxide Phosalone Phosphamidon Picoxystrobin Pinoxaden Piperophos Pirimicarb Pirimiphos methyl Profenophos Prometryn Propiconazole Pyridaphenthion Pyrimethanil Pyroquilon Pyroxsulam Quinalphos Quizalofop-p-ethyl Rotenone Simeconazole Simetryn s-Metolachlor Spirotetramat cis-enol Spirotetramat enol-glucoside Spirotetramat mono-hydroxy Spiroxamine TCMTB (busan) Tebuconazole Tebuprimphos Tebutam Tebuthiuron Terbumeton Terbuthylazine Terbutryn, Tetrachlorvinphos Thiobencarb, Tralkoxydim Triadimefon, Triadimenol Triazophos Tricyclazole Trietazine Trifloxysulfuron sodium Triticonazole	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Tritosulfuron Warfarin	
Cereals, legumes and dried nuts	<p>Determination of pesticide residues</p> <p>Abamectin B1a, Abamectin B1b, Acephate, Acetamiprid, aldicarbsulfone, aldicarbsulfoxide, Azadirachtin, azamethiphos, azoxystrobin, Benalaxyl, Bioallethrin, Bitertanol, Boscalid, Bromacil, bromuconazole, Cadusafos, Carbaryl, carbetamide, Carbofuran, chlorantraniliprole, 4chloroaniline, chlorpropham, chlorpyrifos, CinerinI, CinerinII, coumaphos, Cycloxydim, Cymoxanil, cyproconazole, Cyromazine, desmedipham, Diazinon, diethofencarb, Dichlorvos, difenoconazole, Dimethoate, dimethomorph, emamectinbenzoate, ethiofencarb, ethiofencarbsulfone, Ethion, famoxadone, Famphur, fenamiphos, fenbutatinoxide, Fenhexamid, Fenobucarb, Fenoxycarb, Flonicamid, fluazifop-p-butyl, Fluzinam, Flufenacet, flufenoxuron, Fluopicolide, formetanate-HCl, furathiocarb, heptenophos, hexaconazole, Imazalil, imidacloprid, Indoxacarb, Iprovalicarb, Isoprocarb, Isoproturon, JasmolinI, kresoxim-methyl, Lenacil, Linuron, Malathion, mandipropamid, Mefenacet, metaflumizone, Metalaxyl, methamidophos, methidathion, Methiocarb, methiocarbsulfone, methiocarbsulfoxide, Methomyl, Metribuzin, myclobutanil, Oxadixyl, penconazole, Pencycuron, pendimethalin, phenmedipham, Phosmet, Pirimicarb, pirimiphosmethyl, prometon, propamocarb-HCl, propazine, prophos, propoxur, propyzamide, prosulfocarb, pymetrozin, pyraclostrobin, PyrethrinI, PyrethrinII, pyridat, pyriproxyfen, Spinosad A, Spinosad D, spiroticlofen, spirotetramat, Spirotetramatmetabolite BY108330 mono-hydroxy, tebuconazole, tebufenpyrad, thiabendazole, thiacloprid,</p>	<p>In house method Mthd-Fd- pest-LC-MS/MS</p> <p>LC-MS/MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	thiamethoxam, thiodicarb, thiofanoxsulfone, thiophanatemethyl, triadimefon, triadimenol, trifloxystrobin, triflumizole, 2.3.5 trimethacarb, zoxamide	
Cereals, legumes and dried nuts	<p>Determination of pesticides residues</p> <p>Acinathrin, alachlor, aldrin, bifethrin Bromophos, bromopropylate Bupirimate, butylate, chlormephos Cyanophos, cycloate lambda-cyhalothrin DDD-o,p,DDD-p,p,DDE-p,p Dieldrin, dinitramine endosulphan ether alpha endosulphan, beta-endosulphan, endrin esfenvalarate, etofenprox etoxazole, fenitrothion fenson, fenthion, tau fluvalinate, heptachlor heptachlor-epoxide, hexachlorobenzene, isodrin metazachlor, mirex ofurace, parathion parathion-methyl pentachlorobenzene 2-phenylphenol Propachlor, propazine ronnel(fenchlorphos) spiromesifen, spiroxamine i spiroxamineii, tecnazene tefluthrin, tetradifon triallate, vernalate vinclozolin</p>	<p>In house method Mthd-Fd- pest-GC-MS/MS</p> <p>GC-MS/MS</p>
Milk and Dairy products	<p>Determination of pesticide residues</p> <p>2,6-dichlorbenzamide, abamectin-b1a acibenzolar-s-methyl albicarb sulfone, ametoctradin aminocarb, anilofos, atraton atrazine, azaconazole, azamethiphos Azoxystrobin, benalaxyl, benodanil benzoylprop-ethyl, boscalid bromfenvinfos, bromobutide buprofezin, buturon</p>	<p>In-house method based on QuEChERS. Mthd-pest-milk</p> <p>LC-MS/MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	carbentamide,carbofuran carboxine,chlorantraniliprole, chlorbromuron,chloridazon, chloroxuron,clethodim,climbazol clomazone,coumachlor,crimidin cyanazine,cycloxydim, cycluron cyflufenamid,cymoxanil cyproconazole,cyprodinil cythioate,deet, demeton-s-methylsulfone desmethyl-pirimicarb desmetryn,dichlorvos,diclobutrazol dicrotophos,dimefuron, dimethachlor dimethirimol, dimethomorph dimethomorph-isomer dimethylvinphos, dimoxystrobin diphenamid,dipropetryn ditalimphos,diuron epoxiconazole etaconazol,ethiofencarb ethiofencarb-sulfone ethiofencarb-sulfoxide ethiprole,ethirimol,etrimfos,famphur fenamidone,fenamiphos fenamiphos sulfone, fenamiphos sulfoxide	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	fenarimol, fenfuram, fenhexamid fenoxanil, fenpropimorph, fensulfothion, fenthion sulfoxide, fenuron flamprop-isopropyl florasulam, flumetosulam fluopyram, fluoxaprop-p-ethyl fluridone, flurtamone flutriafol, fuberidazole furalaxyl, haloxyfop haloxyfop-p-methyl hexaconazole, imazalil imazamethabenz-methyl imidacloprid, isocarbamid isofenphos, isofenphos-methyl isoprothiolane, isoproturon isopyrazam, isoxaben linuron, mandipropamid mefenacet, mephosfolan mepronil, Metalaxyl metazachlor, methiocarb sulfoxide methiocarb, methiocarb-sulfone methomyl, methoprotryne methoxyfenozone, metobromuron metolachlor, metolcarb metoxuron, metrafenone metribuzin, mevinphos, mexacarbate molinate, monocrotophos monolinuron, monuron napropamide, neburon nicosulfuron, nitenpyram nitralin, nitrapyram, omethoate orbencarb, oxadixyl, paclobutrazol paraoxon-ethyl, pencycuron, penoxsulam, pethoxamid, phenylurea phoxim, picoxystrobin, pinoxaden piperophos, Pirimicarb, pirimiphos methyl, pretilachlor profenophos, prometon,	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Prometryn, propazine, prophos Propiconazole, prosulfocarb Pyridaphenthion, pyrimethanil Pyroquilon, pyroxsulam Quinalphos, quizalofop-p-ethyl rotenone, simeconazole simetryn, s-metolachlor spirotetramat, spirotetramat cis-enol spirotetramat mono-hydroxy tebutam, tebuthiuron, terbumeton terbuthylazine, terbutryn, tetrachlorvinphos, thiacloprid thiamethoxam, thiobencarb triadimefon, triadimenol triazophos, tricyclazole trietazine, trifloxystrobin, triflumuron, triticonazole warfarin, zoaxamide	
Wine	Determination of pesticide residues 2,6-dichlorbenzamide Acetamiprid, albicarb sulfone Ametoctradin, aminocarb Anilofos, atraton, atrazine Azaconazole, azamethiphos Benalaxyl, benodanil benzoylprop ethyl, boscalid bromobutide, buprofezin butralin, buturon, carbofuran carboxine, carfentrazone ethyl chlorbromuron, chloridazon chloroxuron, chlorpyrifos chlorthal dimethyl, clethodim climbazol, clomazone coumachlor, cycluron cyflufenamid, cymoxanil cyromazine, deet demeton-s-methylsulfone desmethyl-pirimicarb desmetryn, diazinon, dichlorvos,	In-house method based on QuEChERS. Mthd-pest-wine LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	<p>diclobutrazol,diclotophos, difenoconazole,difenoxuron dimefuron,dimethachlor dimethirimol,dimethylvinphos dimoxystrobin,diphenamid dipropetryn,diuron dodemorph,droquinazide epoxiconazole,esprocarb etaconazol,ethiofencarb ethiofencarb sulfone ethiofencarb sulfoxide ethiprole,ethirimol etrimfos,famphur fenamidone,fenamiphos fenamiphos sulfone fenamiphos sulfoxide fenfuram,fenhexamid fenoxanil,fenpropidin fenpropimorph fenpyrazamine fensulfothion fenuron,flamprop isopropyl florasulam,fluazifop-p-butyl Fenuron, flamprop isopropyl, Florasulam, fluazifop-p-butyl flufenacet, flumetosulam, fluopicolide, fluopyram, fluoxaprop-p- ethyl,fluridone,flurpirimidol,flurtamone, flusilazole,flutriafol,fuberidazole furalaxyl,furathiocarb haloxyfop,haloxyfop-p-methyl hexaconazole,imazalil imazamethabenz-methyl imazethapyr,imidacloprid isocarbamid,isofenphos isoprothiolane,isoproturon isopyrazam,isoxaben isoxathion,linuron,mandipropamid mefenacet,mephosfolan,mepronil metalaxyl,metazachlor, methamidophos, methiocarb sulfoxide methiocarb,methiocarb-sulfone methomyl,methoprotryne, metobromuron,metolachlor, metoxuron,metrafenone,metribuzin, mevinphos,mexacarbate monocrotophos,monolinuron napropamide,neburon,nitrapyram</p>	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	orbencarb,oxadiazon paraoxon-ethyl,pencycuron pethoxamid,phorat-sulfoxide phosalone,phosphamidon phoxim,picoxystrobin,pinoxaden piperophos,pirimicarb pirimiphos methyl,pretilachlor profenophos,prometon propamocarb,propazine prophos,propoxur,prosulfocarb pyraclostrobin,pyridaphenthion pyrimethanil,pyriproxifen pyroquilon,quinalphos quizalofop-p-ethyl,rotenone siduron,simeconazole simetryn,s-metolachlor, spinosad A spinosad S,spirotetramat, Spirotetramat cis-enol,spiroxamine,tebuthiuron terbumeton,terbutylazine terbutryn, tetrachlorvinphos Triazophos,tricyclazole, trietazine Trifloxystrobin,trifloxysulfuron sodium Triflumuron,triticonazole, Warfarin	
Fruits and vegetables with high water content (stonefruits, pome fruits, fruiting vegetables, leafy vegetables ,citrus fruits, grapes, root-tuber vegetables, stem vegetables, small fruits, tropical fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous as referred to Regulations (EC)396/2005 and (EC)178/2006)	Single method- pesticides (polar pesticides) Ethephon Glyphosate Aluminum fosetyl Chlorates	Modified QuPPE-PO-Method Version 10.1 (EURL-SRM) and AN64868-EN 1016 Mthd-pest-polar LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Fruit and vegetables with high water content	Determination of pesticide residues of the dithiocarbamates category, (maneb, mancozeb, metiram, thiram, ziram, propineb)	In house method Mthd-Fd-DTCs GC MS/MS
Water	Determination of pesticide residues Alachlor, Aldrin, Alpha-endosulfan Beta-cyfluthrin, Beta-endosulfan , BHC, Bifethrin, Bioallethrin Bromophos-methyl Chlorpyrifos-methyl Cyphenothrin, Dieldrin Difenoconazole, Endosulfan-ether Endosulfan-sulfate, Ethion Fenchlorphos Heptachlor Heptachlor epoxide Hexaconazole , Lambda-cyhalothrin Methidathion, Myclobutanil Ofurace, Penconazole, Prallethrin Propachlor, Tefluthrin, Triallate Vinclozolin, Acetamiprid Azoxytobin, Benalaxyl, Bitertanol Boscalid, Bromuconazole Cadusafos, Carbetamide Chlorpyrifos, Cyproconazole Diazinon, Diethofencarb, Dimethoate, Ethion, Fampur Isoproturon, Iprovalicarb Kresoxim-methyl, Lenaci, Linuron Mefenacet, Metalaxyl Methiocarb, Methiocarb sulfoxide Methomyl, Metribuzin, Myclobutanil Oxadixyl, Penconazole, Pencycuron Pendimethalin, Pirimicarb Pirimiphos-methyl, Prophos Propoxu, Propyzamide Prosulfocarb, Pyraclostrobin	EPA 525.3 Mthd-wt-pest-GC-LC LC-MS/MS GC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Thiacloprid, Thiabendazole Triadimenol, Triflumizole Zoxamide	
Water (continue) Potable water, surface water, sea water	Acibenzolar-S-methyl Ametoctradin Ametryn Anilofos Atrazine Azaconazole Benodanil Benoxacor Benzoylprop-ethyl Bitertanol Boscalid Bromfenvinfos Bromobutide Buprofezin Buturon Chlorantraniliprole Chlorotoluron Chloroxuron Clomazone Coumachlor Crimidin Cyflufenamid Cyproconazole Desmetryn Diclobutrazol Difenoxuron Diflubenzuron Dimefuron Dimethachlor Dimethomorph Dimethylvinphos Dimoxystrobin Diphenamid Dipropetryn Epoxiconazole Esprocarb Etaconazol	EPA 525.3 Mthd-wt-pest-GC-LC LC-MS/MS GC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Ethiofencarb Etrimfos Fenamidone ,Fenarimol Fenfuram Fenhexamid Fenoxanil Fencpiclonil Fensulfotion Flamprop-isopropyl Flufenacet Lenacil Fluridone Flurtamone Flusilazole Flutolanil Flutriafol Fuberidazole Furalaxyl Furathiocarb Hexaconazole Imazapic Isofenphos-methyl Isoprothiolane Isopyrazam Isoxaben Kresoxim-methyl Lenacil Mandipropamid Mepronil Metalaxyl Metazachlor Methiocarb Methoprotryne Methoxyfenozone Metobromuron Metolachlor Monolinuron Napropamide Neburon Nuarimol	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	oxadiazon Paclobutrazol Paraoxon-ethyl Pethoxamid, Phoratsulfoxide Picoxystrobin, Piperophos Promecarb, Prometon, Propazine Prophos, Propiconazole Prosulfocarb, Pyridaphenthion Pyrimethanil, Simeconazole Simetryn s-metolachlor Spiroxamine Sulfotep Tebufenpyrad Tebupirimphos Terbutryn Tetrachlorvinphos Thiacloprid Tralkoxydim Triadimefon Triazophos Trifloxystrobin Triflumuron Zoxamide azoxystrobin benalaxyl bromuconazole carbetamide diazinon, thiabendazole triflumizole, triadimenol pirimicarb pirimiphos methyl penconazole , benfluralin butylate, cycloate, dichlofenthion dieldrin, endosulfan-ether endrin, propachlortriallate trifluralin, vernolate	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
<p>Potable water, surface water, well waters (underground water), liquid and solid sewage plants, foodstuffs and animal feeding stuffs, particulate matter on air filters from atmospheric air sampling, non-metallic products for use in contact with water , ceramic articles and materials in contact with foodstuffs</p> <p>The accreditation is for flexible scope and concerns <i>various categories of samples</i>. The detailed scope can be found in the laboratory's website</p>	<p>Determination of metals in a flexible field (based on CYS-CYSAB procedure OP 15), as described in detail in the QCL-09 Accredited Activities Catalogue Form F-ILAB-112-2</p>	<p>Techniques ICP-OES and ICP-MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
<p>Dried fruits, nuts, cereals, wines, animal feeding stuffs, meat products</p> <p>The accreditation is for flexible scope and concerns various categories of samples. The detailed scope can be found in the laboratory's website</p>	<p>Determination of mycotoxins in a flexible field (based on CYS-CYS AB procedure OP 15), as described in detail in the QCL-09 Accredited Activities Catalogue Form F-ILAB-112-2</p>	<p>Technique HPLC - Fluorescence</p>
<p>Soil / Sediments/ Sludges</p>	<p>1. Determination of Nitrates</p>	<p>ICARDA 5.9.3 /merk spectroquart Mthd-soil-NO3</p>
	<p>2. Determination of Nitrites</p>	<p>In house method based on +APHA 4500 B- NO2 2023 ICARDA 5.9.3 Mthd-soil-NO2</p>
	<p>3. Determination of Ammonia</p>	<p>In house method based on +APHA 4500- NH3- F:2023 ICARDA 5.9.4 Mthd-Soil-NH3</p>
	<p>4. Determination of phosphates</p>	<p>In house method based on +APHA 4500-P E: 2023 ICARDA 5.10 Mthd-soil-PO4</p>
	<p>5. Determination of Total Nitrogen KJELDAHL TKN and organic nitrogen</p>	<p>In house method based on +APHA 4500- NorgB: 2023 Mthd-soil -TKN</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	6.Determination of organic matter, oxidizable organic carbon, and total organic carbon by method Walkley-Black.	ICARDA 5.5 Mthd-soil-TOC
	7.Determination of organic matter 380 °C	NCEA-C-1282 Mthd-soil-OM
	8.Determination of PCBs	Mthd-sl-wt-PCBs based on EPA 8082a GC- ECD
Sediments / Soil / Sludges	Determination of Volatile organic compounds (VOCs, BTEX)	EPA 8260D (SW-846)/ EPA 5030C/ EPA Method 5035s Mthd-VOC-P&T Purge and Trap technique and GC-MS
Sludges	1. Determination of COD	In house method based on +APHA 2023(5220D) Mthd-wt-COD
	2. Determination of total suspended solids	In house method based on +APHA 2023(2540D) Mthd-wt-SS
	3. Determination of BOD ₅	In house method based on +APHA 2023(5210D) Mthd-wt-BOD ₅
Soil	Determination of CaCO ₃	Soil and plants analysis laboratory manual 2001, J.Ryan, G.Estephan, A.Rashid (www.icarda.org/publications.htm) Mthd - soil - CaCO ₃
Sediments / Soil / Sludges	Determination of Total Recoverable Petroleum Hydrocarbons (TRPH /TPH),	EPA 3550C /EPA 8015 Mthd- sd-wt-TPH GC-FID/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Soil / Sediments / Sludges	1.Determination of total and aliphatic hydrocarbons (by calculation)	EPA 3550C /EPA 8015 EPA 8260D (SW-846) EPA 8260D (SW-846)/ EPA Method 550
	2.Determination of NPD and Decalines	EPA 8310/ EPA 3550 Mthd-sd-NPD-Decaline GC-MS/MS
	3.Grain size analyses	ISO 11277:2009 ISO11277:2020 ISO 11464:2006 Mthd-Soil-SV-SD
	4.Determination of pH	CYS EN ISO 10390:2021 Mthd-Wfd-Ph
	5.Determination of conductivity	ISO 11265:1994 Mthd-Wtr-CON
Detergents	1. Determination of moisture	AOAC 925.10 Mthd-Fd-Mtr
	2. Determination of pH	In house method Mthd-wfd-pH based on AOAC: 940.22 Mthd-Wfd-pH
Particulate matter on air filters from atmospheric air sampling	Determination of: Lead Pb, Arsenic As, Cadmium Cd, Chromium Cr, Nickel Ni , Mercury Hg	In house method Mthd-Fit-ICP ICP-OES
Sorbent tubes as samples from atmospheric air sampling	Determination of VOCs	OSHA method Mthd-Fld-VOCs Gas Chromatography GC-FID

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Microbiological Testing		
Potable Water, Surface Water, Swimming pool water, Well waters (underground water)	1. Enumeration of total coliforms	+APHA 9222B:2023 Mthd-WF-CL
	2. Enumeration of culturable microorganisms	CYS EN 6222:1999 Meth-wf-tvc
	3. Detection and enumeration of intestinal enterococci	EN ISO 7899-2:2000 Mthd-wtr-str-iso
	4. Detection and enumeration of <i>Staphylococcus</i>	+APHA 2023 (9213B) Mthd-Wr-staph
	5. Detection and enumeration of <i>Pseudomonas aeruginosa</i>	CYS ISO 16266: 2008 Mthd-wtr-Pseud
	6. Detection and enumeration of <i>fecal streptococci</i>	EAOT: 947.2:1996 Mthd-wtr-str
	7. Enumeration of fecal coliforms	+APHA 9222D:2023 Mthd-WF-CL
	8. Detection and enumeration of the spores of sulfite-reducing anaerobes (<i>clostridia</i>)	ISO 6461-2:1986 Mthd-wtr-clostr
Potable water, Surface water, Well waters (underground water)	Detection and enumeration of <i>Clostridia perfringens</i> bacteria and spores.	CYS EN ISO 14189:2013
Potable water, Swimming pool Water (waters with low bacterial counts)	Detection and enumeration of coliforms and <i>Escherichia coli</i>	EN ISO 9308-1:2014+A1:2017 Mthd-wtr-e.coli
Surface waters, Well waters (underground water) (waters with low bacterial counts)	Detection and enumeration of coliforms and <i>Escherichia coli</i>	In house method based on EN ISO 9308-1:2014+A1:2017 Mthd-wtr-e.coli

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Potable water, Surface water, Swimming pool water, Well waters (underground water), closed circuit waters with low bacterial counts	Detection and enumeration of <i>Legionella</i>	ISO 11731:2017 Mthd-wtr-Leg Membrane filtration
Sea water	1. Enumeration of total coliforms	+APHA 9222B:2023 Mthd-WF-CL
	2. Enumeration of culturable microorganisms	CYS EN 6222:1999 Meth-wf-tvc
	3. Detection and enumeration of intestinal enterococci	EN ISO 7899-2:2000 Mthd-wtr-str-iso
	4. Detection and enumeration of <i>Staphylococcus</i>	+APHA 2023 (9213B) Mthd-Wr-staph
	5. Detection and enumeration of <i>Pseudomonas aeruginosa</i>	CYS ISO 16266: 2008 Mthd-wtr-Pseud
	6. Detection and enumeration of fecal streptococci	EAOT: 947.2:1996 Mthd-wtr-str
	7. Detection and enumeration of <i>Clostridia perfringens</i> bacteria and spores.	CYS EN ISO 14189:2013
Sewage	1. Enumeration of total coliforms	+APHA 9222B:2023 Mthd-wtr-waste-E.coli
	2. Enumeration of <i>E. Coli</i>	+APHA 9222 I:2023 Mthd-wtr-waste-E.coli
Waters and Sewage	1. Salmonella	ISO 19250: 2013 Mthd-Wtr-sal-iso
	2. Enumeration of <i>Clostridium perfringens</i>	CYS EN ISO 14189:2013 Mthd-wtr-clostr-N
Waters, sewage, sludges	Intestinal worms	ISBN 92 4 154484 8 Mthd-waste-intest.

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Foodstuffs	1. Detection of enterotoxins staphylococci using VIDAS	VIDAS®Staph Enterotoxin II of Biomerieux SA. Validation certificate from AOAC N° 070404 Mthd-Fd-staph enter
	5. Detection of potentially enteropathogenic <i>Vibrio</i> spp - <i>Vibrio parahaemolyticus</i>	ISO 21872-1: 2017/ AMD 1:2023 Mthd-fd-vibrio
	3. Enumeration of mesophilic lactic acid at 30°C	ISO 15214: 1998 Mthd-fd-LA
	4. Enumeration of coagulase positive <i>Staphylococcus aureus</i>	ISO 6888-1:2021/A1:2023 Mthd-Fd-st.aureus
	5. Enumeration of yeast & mould	AOAC ch 18 Mthd-Fd-Y/M
	6. Detection of <i>Salmonella</i> spp (Except of <i>S. typhi</i> & <i>S. paratyphi</i>)	VIDAS® Salmonella (SLM) Validation certificate AFNOR BIO 12/01-04/94 Mthd-fd-sal-afn
	7. Enumeration of <i>total coliforms</i>	ISO 4832:2006 Mthd-WF-CL
	8. Enumeration of total microorganisms at 30°C	ISO 4833-1:2013 Amd 1:2022 Mthd-WF-TVC
	9. Enumeration of β-glucuronidase positive <i>Escherichia coli</i>	ISO 16649-2:2001 Mthd-Wf-Ecoli
	10. Enumeration of <i>enterobacteriaceae</i>	ISO 21528-2:2017 Mthd-Fd-enter
	11. Horizontal method for the enumeration of <i>Bacillus cereus</i> at 30°C	EN ISO 7932:2004 Amd 1 :2020 Mthd-Fd-Bac
	12. Enumeration of <i>Clostridium perfringens</i>	CYS EN ISO 15213-2:2023 Part 2 Mthd-Fd-clostr

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	13. Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria spp.</i> -- Part 1: Detection method	CYS EN ISO 11290-1:2017 Mthd-Fd-L. monoc./kat-iso
	Detection of <i>Listeria monocytogenes</i> in food and animal feeding stuffs	VIDASBiomerieux- LMO2- Validation certificate AFAQ/AFNORBIO 12/09-07/02 Mthd-Fd-afn
	14. Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria spp.</i> - Part 2: Enumeration method	ISO 11290-2:2017 Mthd-Fd-L.monoc./kat-iso
	15. Detection of <i>Campylobacter spp</i>	CYS EN ISO 10272-1:2017 Amd 1:2023 Mthd-Fd-camp.spp
	16. Enumeration of <i>Campylobacter spp</i>	CYS EN ISO 10272-2:2017 Amd 1:2023 Mthd-Fd-Camp-kat
	17. Detection of <i>Salmonella spp</i> (Except of <i>S. typhi</i> & <i>S. paratyphi</i>)	CYS EN ISO 6579-1:2017 +A1:2020 Mthd-Fd-sal-iso
	18. Detection of <i>Salmonella spp</i>	VIDAS® Up Salmonella AFNOR BIO 12/32-10/11 Mthd-fd-sal-UP-afn
Animal feeding stuffs	1. Enumeration of cuagulase positive <i>Staphylococcus aureus</i>	In house metod based on ISO 6888-1:2021/A1:2023 Mthd-Fd-st.aureus
	2. Enumeration of yeast & mould	In house metod based on AOAC ch 18 Mthd-Fd-Y/M
	3. 1. Enumeration of total coliforms	ISO 4832:2006 Mthd-WF-CL

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	4. Enumeration of total microorganisms at 30°C	ISO 4833-1:2013 Amd 1:2022 Mthd-WF-TVC
	5. Enumeration of β -glucuronidase positive Escherichia coli	ISO 16649-2:2001 Mthd-Wf-Ecoli
	6. Enumeration of enterobacteriaceae	ISO 21528-2:2017 Mthd-Fd-enter
	7. Horizontal method for the enumeration of Bacillus cereus at 30°C	EN ISO 7932:2004 Amd 1 :2020 Mthd-Fd-Bac
	8. Enumeration of Clostridium perfringens	CYS EN ISO 15213-2:2023 Part 2 Mthd-Fd-clostr
	9. Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. -- Part 1: Detection method	CYS EN ISO 11290-1:2017 Mthd-Fd-L. monoc./kat-iso
	Detection of Listeria monocytogenes in animal feeding stuffs	VIDASBiomerieux- LMO2- Validation certificate AFAQ/AFNORBIO 12/09-07/02 Mthd-Fd-afn
	10. Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. - Part 2: Enumeration method	ISO 11290-2:2017 Mthd-Fd-L.monoc./kat-iso
	11. Detection of Campylobacter spp	CYS EN ISO 10272-1:2017 Amd 1:2023 Mthd-Fd-camp.spp
	12. Enumeration of Campylobacter spp	CYS EN ISO 10272-2:2017 Amd 1:2023 Mthd-Fd-Camp-kat
	13. Detection of Salmonella spp (Except of S. typhi & S. paratyphi)	CYS EN ISO 6579-1:2017 +A1:2020 Mthd-Fd-sal-iso

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	14. Detection of <i>Salmonella</i> spp	VIDAS® Up <i>Salmonella</i> AFNOR BIO 12/32-10/11 Mthd-fd-sal-UP-afn
Animal faeces and Environmental samples from stages of primary production	Detection of <i>Salmonella</i> spp (Except of <i>S. typhi</i> & <i>S. paratyphi</i>)	CYS EN ISO 6579-1:2017 +A1:2020 Mthd-Fd-sal-iso
Materials for use in contact with water	Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of water. Growth of aquatic microorganism test	BS 6920-2.4 2000+A1 :2014 Mthd-mic-org
Chemical disinfectants and antiseptics	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas. Dilution - neutralization method	CYS EN 1276:2009 Mthd-micro-dis
Air	Microbiological air quality in controlled environment	CYS EN ISO 14698-1:2003 Mthd-air quality
Serotypes of <i>Salmonella</i> spp	Serotyping of <i>Salmonella</i> - <i>S. enteritidis</i> and <i>S. typhimurium</i>	ISO/TR 6579-3:2014 Mthd-Salm-Ser
Liquid Fuels	Enumeration of heterotrophic microorganisms and fungi	ASTM –D 6974-20 Mthd-fuel-mic
Cosmetics	1. Detection of <i>Pseudomonas aeruginosa</i>	CYS EN ISO 22717:2015 + A1:2022 Mthd-cosm-Pseud
	2. Detection of <i>Candida albicans</i>	CYS EN ISO 18416:2015 + A1:2022 Mthd-cosm-Cand
	3. Detection of <i>Staphylococcus aureus</i>	CYS EN ISO 22718:2015 + A1:2022 Mthd-cosm-Staph
	4. Detection of <i>Escherichia coli</i>	CYS EN ISO 21150:2015 + A1:2022 Mthd-cosm-E.Coli
	5. Detection and enumeration of aerobic mesophilic bacteria	CYS EN ISO 21149:2017 + A1:2022 Mthd-cosm-TVC

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	6. Enumeration of yeast and mould	CYS EN ISO 16212:2017 + A1:2022 Mthd-cosm-Y/M
IMMUNOCHEMICAL TESTS		
Foodstuffs	*1. Detection and quantification of milk proteins in foods Elisa method	Mthd-fd-allerg-milk ISO 15633-1:2019 ISO 15842:2019
	*2. Detection and quantification of gluten / glyadine in foods Elisa method	Mthd-fd-allerg-glut ISO 15633-1:2019 ISO 15842:2019
SAMPLING		
Waters, waste	Quality of water-Sampling for microbiological analysis	Mthd-samp ISO 19458: 2006
Surface samples using swabs and contact plates	Horizontal methods of sampling and analysis for microbiological tests	Mthd-swab ISO 18593:2018
Waters,sewage	Sampling for physicochemical parameters	OE-83 ISO 5667-1:2023, ISO 5667-3:2018, ISO 5667-4:2016, ISO 5667-5:2014, ISO 5667-6:2016 +A11:2020, ISO 5667-9:2013, ISO 5667-10:2021, ISO 5667-11:2013, ISO 5667-13:2011, ISO 5667-14:2016, ISO 5667-15:2009, ISO 5667-20:2008

Materials / Products	Type of testing / Countable properties	Methods / Techniques
EXPRESSION OF OPINION AND INTERPRETATION		
<p>The laboratory has an accredited system for expressing Opinions and Interpretations based on accredited results</p> <p>Chemical examination of water, food, sewage and environmental samples (soil, air) and Microbiological examination of water, food, sewage and environmental samples and air samples carried out in these premises by authorised personnel.</p>		

AOAC: Association of Analytical Communities
+APHA : Standard Methods for the Examination of Water and Waste water +APHA
,AWWA, WEF 24th Edition 2023

General Remarks

This Annex refers **only for tests** carried out **in the premises of the Laboratory**, at the following address: **Viomichanias 19, Lakatamia Industrial area, Nicosia, Cyprus.**



Dr Stephanie Cleridou
Director

Date: **23rd January 2025**