

CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY  
CYPRUS ACCREDITATION BODY



**ACCREDITATION CERTIFICATE no. L073-2**

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 current Accreditation Certificate, no. **L073-2, is issued on the 20<sup>th</sup> January 2021 and is valid from the 4<sup>th</sup> June 2019 until the 3<sup>rd</sup> June 2023.**

Accreditation was granted for the first time on the 4<sup>th</sup> June 2015.



Antonis Ioannou  
Director

Date: **20 January 2021**

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 L073-2**

**Scope of Accreditation**

of

**Laboratory c.p. FoodLab Ltd**

**Valid as from the 4<sup>th</sup> June 2019 until the 3<sup>rd</sup> June 2023**

**\*Valid as from the 11<sup>th</sup> June 2020 until the 3<sup>rd</sup> June 2023**

**\*\*Valid as from the 20<sup>th</sup> January 2021 until the 3<sup>rd</sup> June 2023**

**<sup>1</sup>The edition of CYS EN ISO/IEC 17025:2017 is valid from the 11<sup>th</sup> June 2020**

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Chemical Testing		
Edible vegetable oils	1. Titrimetric determination of acidity	CYS EN ISO 660: 2009 Mthd-Fd-Oil
	2. Determination of the K <sub>232</sub> , K <sub>270</sub> και ΔΚ	REG EU 1348:2013 Mthd-Fd-K Spectrophotometry
Fats and oils	1. Determination of the peroxide value	AOAC: 965.33 REG EU 1348:2013 Mthd-Fd-PV
Detergents	1. Determination of anionic-active matter by the direct two-phase titration procedure	ISO 2271:1989 Mthd-Dt-active
	2. Determination of moisture	AOAC 925.10 Mthd-Fd-Mtr
	3. Determination of pH	In house method Mthd-wfd-Ph based on AOAC 940.22 Mthd-Wfd-pH
Animal feeding stuffs	1. Determination of moisture	AOAC 934.01 Mthd-Fd-Mtr

<b>Materials / Products</b>	<b>Type of testing / Countable properties</b>	<b>Methods / Techniques</b>
Products of animal and plant origin, bakery products, baked products	1. 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-FD-TKN-pr
Foodstuffs and animal feeding stuffs	1. Determination of ash	AOAC 900.02, AOAC 945.46 AOAC 923.03, AOAC 920.153 AOAC 925.51, AOAC 920.93 Mthd-Fd-Ash
Foodstuffs and animal feeding stuffs (liquids and solids)	1. Determination of pH	AOAC 943.02 Mthd-Wfd-pH
Plastics - materials and articles in contact with foodstuffs	a) Determination of overall migration into aqueous food simulants by total immersion.  b) Determination of overall migration into aqueous foods simulants by article filling	a) CYS EN 1186-3:2002 Mthd-Fd-mic  b) CYS EN 1186-9:2002 Mthd-Fd-mic-fl
Water	1. Determination of sodium	APHA 3500(A/B) - Na:2017 Mthd-Wtr-NaK Flame emission spectrometry
	2. Determination of potassium	APHA 3500(A/B)-K:2017 Mthd-Wtr-NaK Flame emission spectrometry
	3. Volumetric determination of chloride	APHA 4500B-Cl :2017 Mthd-Wtr-Cl
	4. Determination of calcium	APHA 3500B-Ca:2017 Mthd-Wtr-Ca Titrimetric method

<b>Materials / Products</b>	<b>Type of testing / Countable properties</b>	<b>Methods / Techniques</b>
	5. Determination of total hardness	APHA:2340:C:2017 EDTA Mthd-Wtr-Hd Titrimetric method
	6. Determination of nitrites	APHA 4500B-NO <sub>2</sub> :2017 Mthd-Wtr-NO2
	7. Determination of sulphates	APHA 4500E-SO <sub>4</sub> :2017 Mthd-Wtr-SO4 Turbimetric method
Water and wastes	1. Determination of alkalinity	APHA 2320B:2017 Mthd-Wtr-Al Titrimetric method
	2. Determination of total organic nitrogen by the Kjeldahl method	APHA 4500-N <sub>org</sub> B/C:2017 Mthd-Wt-TKN
	3. Determination of Ammonia	a) APHA 4500-NH <sub>3</sub> C:2017 Titrimetric method Mthd-Wtr-NH3 b) APHA 4500-NH3B, C:1992 Photometric method (Nessler Mthd-Wtr-NH3
	4. Determination of anions (Chlorides, Cl <sup>-</sup> , Sulphate , SO <sub>4</sub> <sup>2-</sup> , Nitrates ,NO <sub>3</sub> <sup>-</sup> , Nitrites, NO <sub>2</sub> <sup>-</sup> , Phosphates, PO <sub>4</sub> <sup>3-</sup> , Bromides, Br <sup>-</sup> Fluorides F <sup>-</sup> )	APHA 2017 (4110C) Mthd-wt-IC-a  Ion chromatography

<b>Materials / Products</b>	<b>Type of testing / Countable properties</b>	<b>Methods / Techniques</b>
	5. Determination of cations (Calcium Ca <sup>2+</sup> , Magnesium Mg <sup>2+</sup> , Potassium K <sup>+</sup> , Sodium Na <sup>+</sup> , Lithium Li <sup>+</sup> )	In house method based on EN/ISO14911 Mthd-wt-IC-c  Ion chromatography
	6. FOG (Fat, Oil and Grease)	APHA 5520 A/B:2017 Mthd-wt-FOG
	7. Determination of conductivity	APHA 2510 A/B:2017 Mthd-Wtr-CON
	8. Electrometric determination of acidity (pH)	APHA 4500A:2017 Mthd-Wfd-pH
	9. Determination of total Nitrogen. (TN)	In house method based on CYS EN ISO11905-1: 98 Mthd-wt-TN
Waters wastes Soils Sediments	Determination of Polycyclic Aromatic Hydrocarbons- PAHs	In house method based on EPA 8310: 1996 EPA 5501: 1990 Mthd-wt-PAH's
Waters Wastes	* Determination of Cr(VI)	APHA 3500 Cr D/ APHA 3500 Cr A, B  Mthd-Wtr-Cr  Spectrophotometry

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Water (except potable), liquid and solid wastes  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. Determination of Aluminum, Al (also for potable water), Arsenic ,As, Boron ,B, Barium,Ba, Cadmium ,Cd, Cobalt ,Co, Copper ,Cu, Iron ,Fe, Mercury ,Hg, Magnesium ,Mg, Manganese ,Mn, Molybdenum ,Mo, Nickel ,Ni, Lead ,Pb, Antimony, Sb, Selenium ,Se, Silica ,Si, Tin ,Sn, Vanadium ,V, Zinc ,Zn, Chromium ,Cr, Total Phosphorus , P	APHA 3120B:2017 (water and liquid wastes)  AOAC 990.08: 05 (solid wastes)  Mthd-Wtr-ICP  ICP-OES
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
Foodstuffs	1. Determination of sulfurous acid (Total)	Mthd. Fd-SO <sub>2</sub> Based on AOAC 990.28 ASN 3204 Application SubNote (FOSS 2100 Kjeltec Distillation Unit)

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Plants, foodstuffs and animal feeding stuffs  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.Determination of, Aluminum ,Al, Arsenic ,As, Barium ,Ba, Cadmium ,Cd, Copper ,Cu, Iron ,Fe, Mercury ,Hg, Magnesium ,Mg, Manganese, Mn, Molybdenum ,Mo, Nickel ,Ni, Lead ,Pb, Antimony ,Sb, Selenium ,Se, Titanium ,Ti, Vanadium, V, Zinc ,Zn, Chromium ,Cr, Calcium ,Ca  by ICP-OES emission spectrometry	In house method based on AOAC: 985.01  Meth-fd-ICP  ICP-OES

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Fruits and vegetables with 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 )	1. Determination of pesticides residues of: Organophosphates, Organochlorines, Pyrethrinoids, Triazoles and of: tolyfluanid, metribuzin, alachlor, captan, chlorothalonil, iprodione, procymidone, propachlor	In house multiresidue method GC-NPD-ECD/MS Mthd-fd-pest  GC-NPD-ECD/MS
Water and wastes	1. Determination of COD  2. Determination of total suspended solids  3. Determination of BOD <sub>5</sub>	In-house method based on APHA2017 (5520D) Mthd-wt-COD  APHA 2017 (2540D) Mthd-wt-SS  APHA 2017 (5210D) Mthd-wt-BOD <sub>5</sub>
Sludges	1. Determination of COD	In-house method based on APHA 2017 (2540D)  Mthd-wt-COD

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	2. Determination of total suspended solids	In-house method based on APHA 2017 (2540D)  Mthd-wt-SS
	3. Determination of BOD <sub>5</sub>	In-house method based on APHA 2017 (5210D)  Mthd-wt-BOD5
Dried nuts, cereals and animal feeding stuffs  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. Determination of aflatoxines B1,G1,B2,G2	AOACmethod (991.31) Mthd-Fd-Afl/LC  HPLC – Fluorescence
Foodstuffs	1. Determination of fat by hydrolysis	AOACmethod (926.04, 989.05) Mthd-Fd-fat-hyd
Meat and meat products	1. Determination of fat by the Soxhlet method	AOACmethod (960.39) Mthd-Fd-fat-sox
Particulate matter on air filters from atmospheric air sampling	1. Determination of Lead, Pb, Arsenic ,As, Cadmium ,Cd, Chromium ,Cr, Nickel ,Ni , Mercury ,Hg	In house method MthdFlt-ICP Mthd-Flt-ICP  ICP-OES

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Sorbent tubes as samples from atmospheric air sampling	1. Determination of VOCs	OSHA method, Mthd-Fld-VOCs  GC-FID
Soil	1. Determination of CaCO <sub>3</sub>	Soil and plants analysis laboratory manual 2001, J.Ryan, G.Estephan, A.Rashid ( <a href="http://www.icarda.org/publications.htm">www.icarda.org/publications.htm</a> ) Mthd - soil - CaCO <sub>3</sub>
Milk and milk powder  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. Determination of aflatoxin M1	ENISO 14501:2007 Mthd-Fd-M1/LC  HPLC – Fluorescence
Dairy products  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. Determination of aflatoxin M1	Romer Labs diagnostics COIAC 1002  Mthd-Fd-afl/M1/LC  HPLC – Fluorescence

Materials / Products	Type of testing / Countable properties	Methods / Techniques
a: Dried fruits b: Wines c: Animal feeding stuffs d: Meat products  The accreditation is for flexible scope and concerns various categories of samples. <b>The detailed scope can be found in in the laboratory's website</b>	1. Determination of ochratoxin A	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  Mthd-Fd-OTA  HPLC – Fluorescence
Foodstuffs and animal feeding stuffs	1. Determination of total chlorides (as NaCl)	AOAC 935.43, Mthd-Fd-NaCl
Foodstuffs	Determination of total dietary fibres	AOAC 985.29 Mthd-Fd-diet fiber
Water	Determination of THMs and 1,1,1-trichloroethane, trichloroethene, tetrachloroethene and carbontetrachloride	APHA 6232 (A/B),2017 Mthd-wtr-THMs  GC-ECD/NPD
Plastic materials and articles in contact with foodstuffs	a) Determination of overall migration into aqueous and fatty food simulants D1 (50% ethanol) by total immersion. b) Determination of overall migration into aqueous and fatty food simulants D1 (50% ethanol) article filling 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	a) CYS EN 1186-3:2002 Mthd-Fd-mic b) CYS EN 1186-9:2002 Mthd-Fd-mic-fl c) CYS EN 1186-14:2002 Mthd-Fd-mic-rec.

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Plastic materials and articles in contact with foodstuffs	1. Determination of specific migration Bisphenol A and Benzophenone into aqueous simulants. 2. Determination of specific migration of Bisphenol A into fatty stimulant sun oil	In house method based on CYS EN EN 13130-13:2005, Mthd-mic-spec.  HPLC Diode Array/fluorescence detector
Foodstuffs of animal origin (meat and meat products)	1. Determination of Trenbolone, Zeranol and Nadrolone, Testosterone, Epitestosterone	In house method Mth-fd-Ztemm
Water and feeding stuffs	1. Determination of Trenbolone / Zeranol	LC-MS/MS
Water	1. Determination of dissolved oxygen in water	CYSEN ISO 5814: 2012 Mthd-Wtr-DO
Vegetables and vegetable products	1. Determination of nitrate and / or nitrite	CYSEN 12014-2:2017 Mthd-fd-IC-NO3 Ion Chromatography

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Potable water Surface water Well waters (underground water)	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 Titanium ,Ti Vanadium ,V, Thalium ,Tl	ISO 17294-2: 2016  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

Materials / Products	Type of testing / Countable properties	Methods / Techniques
<p>Non-metallic products for use in contact with water</p> <p>The accreditation is for flexible scope and concerns various categories of samples. <b>The detailed scope can be found in In the laboratory's website</b></p>	<p>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</p> <p>Extraction and determination of metals</p> <p>Aluminum ,Al, Arsenic ,As, Barium ,Ba, Cadmium ,Cd, Iron ,Fe, Mercury ,Hg, Manganese ,Mn, Nickel ,Ni, Lead ,Pb, Antimony ,Sb, Selenium ,Se, Chromium ,Cr</p>	<p>BS 6920-2.6: 2000 +A2:2014 Mthd-mic-ext-met</p> <p>ICP-OES technique for Al, Ba ,Fe</p> <p>ICP-MS technique for As, Cd, Cr, Hg, Mn, Ni, Pb, Sb, Se</p>
	<p>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)</p>	<p>In house method based on BS 6920-2.3: 2000+A1:2014 Mthd-mic-app</p>
	<p>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</p>	<p>BS 6920-2.2.2: 2000+A1 2014 Section 2.2 Mthd-mic-odour-taste</p>

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 in the laboratory's website</p>	<p>1. Migration test-Quantitative determination of Cadmium ,Cd and Lead, Pb</p>	<p>Method Mhd-mic- ceramics according to Directive 2005/31/EC</p> <p>ICP-OES</p>
Foodstuffs	<p>1.Determination of Cadmium ,Cd, Lead,Pb Mercury ,Hg</p>	<p>In house method Mhd-Fd-ICP-MS Inductively Coupled Plasma, Mass Spectroscopy (ICP / MS )</p>
	<p>2.Determination of acrylamide</p>	<p>BSI 2012 / 03062 Mhd-Fd-acr-LC- MS/MS</p> <p>LC MS/MS</p>
	<p>3.Determination of Sodium ,Na Potassium ,K</p>	<p>AOAC 969.23 Mhd-Fd-NaCl  Flame photometry</p>

<b>Materials / Products</b>	<b>Type of testing / Countable properties</b>	<b>Methods / Techniques</b>
	4. Determination of saturated fatty acids	EN ISO 12966-1:2014 EN ISO 12966-2:2011 EN ISO 12966-4:2015 Mthd-fd-FAME  GC-MS
Water	1. Determination of Total Dissolved Solids -TDS	APHA:2540C 2017 Mthd-wt-TDS
	2. Determination of Total Organic Carbon - TOC	APHA 5310 C 2017 Mthd-Wtr-TOC/TC/IC
	3. Determination of Inorganic Carbon, IC and Total Carbon, TC	In house method based on APHA 5310 C2017 Mthd-Wtr-TOC/TC/IC
	4. Determination of cyanides	APHA 4500-C, E – CN 2017 Mthd-Wtr-CN
Honey	1. Determination of HMF	Hydroxymethylfurfural after White, Harmonised methods of the International Honey Commission 2009 Mthd-Fd-HMF
	2. Determination of diastase activity	Diastase, determination of diastase activity after Schade, Harmonised methods of the International Honey Commission 2009 Mthd-Fd-Diast.

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Honey and feeding stuffs	<p>1. Determination of antibiotics residues of the categories :</p> <p>Amphenicoles, Tetracyclines, Fluorocinolones, Sulphonamides, Penicillin G, Trimethoprim, Tiamulin</p>	<p>Hammel et al., 2008 Journal Of Chromatography A 1177 58-76 Mthd-antib-LC-MS/MS  LC –MS/MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 ) (continue)	<p>*Determination of residues of pesticides</p> <p>2,6-dichlorbenzamide,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,benoxacor      bensulfuron-methyl      bentazone,benoximate      benzoylprop-ethyl      bioallethrin,bitertanol      boscalid,bromacil      bromfenvinfos      bromobutide      bromuconazole      bupirimate,buprofezin      butachlor,butralin      buturon,cadusafos      cambendazole      carbaryl,carbetamide      carbofuran,carboxin      carfentrazone-ethyl      chlorantraniliprole      chlorbromuron      chloroxuron      chlorpropham      chlorpropham 2      chlorpyrifos      chlorthal-dimethyl      chlorthiophos</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
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 ) (continue)	cinerin i,cinerin ii clethodim,climbazol clodianfop-propargyl clomazone cloquintocet-mexyl clothianidin coumachlor coumaphos crimidin cyanazine cyazofamid cycloxydim cycluron cyflufenamid cyflumetofen cymoxanil cyproconazole cyprodinil cyromazine ,cythioate DDAC,DEET demeton-s-methyl demeton-s-methyl_sulfone desmedipham desmethyl-formamido-pirimicarb desmethyl-pirimicarb desmetryn diafenthiuron diazinon,dicapthon dichlobenil,dichlomid dichlorvos diclobutrazol dicrotophos diethofencarb difenoconazole difenoxyuron difenzoquat,diflubenzuron dimefuron,dimethachlor dimethipin,dimethirimol dimethoate,dimethomorph dimethomorph-isomer dimethylvinphos dimoxystrobin,diphenamid dipropetryn,disulfoton-sulfon diuron ,dodemorph droquinazide,emamectin b1a emamectin benzoate,epoxiconazole esprocarb,etaconazol,ethalfuralin	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 ) (continue)	Ethiofencarb,ethiofencarb sulfone ethiofencarb sulfoxide,ethion ethiprole,ethirimol,ethofumesate etoxazole,etrimfos famoxadone,famphur fenamidone,fenamiphos fenamiphos sulfone fenamiphos sulfoxide fenazaquin,fenbutatin-oxide fenfuram,fenhexamid fenobucarb,fenoxyanil fenoxyprop-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 flurprimidol flurtamone flusilazole fluthiacet-methyl flutolanil flutriafol forchlorfenuron formetanate-HCl formothion fosthiazate fuberidazole furalaxyd,furathiocarb furmecyclox halosulfuron-methyl haloxyfop,haloxyfop-2-ethoxyethyl haloxyfop-p-methyl	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 ) (continue)	Heptenophos, hexaconazole Hexazinone, hexythiazox Hymexazol, imazalil imazamethabenz-methyl imazethapyr, pretilachlor imazapic, imidacloprid indoxacarb, ioxathion ioxynil, iprodione iprovalicarb isazophos, isocarbamid isofenphos, isofenphos-methyl isoprocarb, isoprothiolane isoproturon, isopyrazam isoxaben, isoxathion jasmolin I, kresoxim-methyl lactofen, lenacil linuron, malaoxon, malathion mandipropamid, mefenacet mephosfolan mepronil metaflumizone metalaxyd metazachlor metconazole methacrifos methamidophos methidathion methiocarb methiocarb sulfone methiocarb sulfoxide methomyl methomyl-oxime methoprottryne methoxyfenozide metobromuron metolachlor metrafenone metribuzin mevinphos mexacarbate molinate monocrotophos monolinuron monuron myclobutanil nabam napropamide neburon	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 ) (continue)	nicosulfuron nitralin nitrappyram 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-destho pymetrozin,pyraclostrobin pyrethrin i,pyrethrin ii pyridaben,pyridaphenthion pyridat,pyrimethanil pyriproxyfen,pyroquilon pyroxslam,quinalphos quizalfop free acid quizalofop-p,rotenone siduron,simeconazole simetryn,s-metolachlor spinetoram spinosad A	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 ) (continue)	spinosad D spirodiclofen spirotetramat spirotetramat cis-keto-hydroxy spirotetramat cis-enol spirotetramat enol-glucoside spirotetramate mono-hydroxy, spiroxamine sulfoxaflor sulprofos thiabendazole TCMTB tebuconazole tebufenpyrad tebupirimphos tebutam tebuthiuron teflubenzuron temephos terbufos-sulfoxide terbumeton terbutylazine terbutryn tetrachlorvinphos thiacloprid thiamethoxam thiobencarb thiodicarb thiofanox thiofanox sulfone thiofanox-sulfoxide thiophanate methyl tolfenpyrad tralkoxydim triadimefon triadimenol triazophos, trichlorfon triticonazole, tritosulfuron tricyclazole triethylazine, trifloxystrobin trifloxysulfuron sodium triflumizole triflumuron triforine triforine 2 warfarin zoxamide	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 )	<p>*Determination of residues of pesticides</p> <p>Aclonifen, acrinathrin Alachlor, aldrin Ametryn, atrazine Benfluralin, BHC-alpha, bifethrin Bromophos, bromopropylate Bupirimate, butylate chlormephos chlorpyrifos chlorpyrifos_methyl, cyanophos cycloate, cyfluthrin gamma-cyhalothrin lambda-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 ipropenfos, isazophos isodrin, metazachlor metrafenone, mirex, parathion, pentachlorobenzene permethrin, phentoate 2-phenylphenol piperonyl-butoxide, profluralin propachlor, propargite propazine, propetamphos ronnel(fenchlorphos), spiromesifen sulprofos, tecnazene tefluthrin, tetradifon tetramethrin, tolyfluanid trallate, trifluralin 1,2,3-trichlorobenzene 1,2,4-trichlorobenzene vinclozolin</p>	<p>In house method</p> <p>Mthd-Fd- pest-GC-MS/MS</p> <p>GC-MS/MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Products of plant origin with high fat content.	<p>** Determination of residues of pesticides</p> <p>2,6-dichlorbenzamide  Allethrin  Ametoctradin  Ametryn  Aminocarb  Anilofos  Atrazine  Azaconazole  Azinphos-methyl  Benodanil  Benoxacor  Benzoylprop-ethyl  Bromfenvinfos  Bromobutide  Buturon  Carboxine  Carfentrazone-ethyl  Chlorbromuron  Chloridazon  Chlorotoluron  Chloroxuron  Chlorthal-dimethyl  Clofentezine  Clomazone  Coumachlor  Crimidine  Cycluron  Cyflufenamid  Cyprodinil  Cythioate  DEET  Desmethyl-pirimicarb  Desmetryn  Dichlomid  Diclobutrazol  Difenoxuron  Dimefuron,Dimethachlor,Dimethirimol  Dimethylvinphos ,Dimoxystrobin  Diphenamid,Dipropetryn  Diuron,Dodemorph,Epoxiconazole  Esprocarb,Etaconazole  Ethalfuralin,Ethiprole  Ethirimol,Ethofumesate  Etrimfos,Famphur  Fenamidone,</p>	In-house method based on QuEChERS.  Technique LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	Fenamiphos Fenamiphos sulfone Fenamiphos sulfoxide Fenarimol Fenfuram Fenpiclonil Fenpropidin Fenpropimorph Fenpyrazamine Fensulfothion Fenthion sulfoxide Fenuron Florasulam Flumetosulam Fluopyram Fluridone Flurochloridon Flurprimidol Flurtamone Flusilazole Flutriafol Fuberidazole Furalaxyd Imazamethabenz-methyl Imazapic,Imazethapyr Isocarbamid,Isocarbophos Isofenphos,Isofenphos-methyl Isoprothiolane,Isoxaben Isoxathion,Mephosfolan Mepronil,Metazachlor Metconazole,Methoprottryne Methoxyfenozide,Metobromuron Metolachlor,Metolcarb Metoxuron,Metrafenone Metribuzin,Mevinphos Molinate,Monolinuron Monuron,Napropamide Neburon,Nitenpyram Nitrapyrin Nuarimol Omethoate Orbencarb Oxadiazon	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
	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 Tebupirimphos Tebutam Tebuthiuron Terbumeton Terbutylazine Terbutryn,Tetrachlorvinphos Thiobencarb,Tralkoxydim Triadimefon,Triadimenol Triazophos Tricyclazole Trietazine Trifloxsulfuron sodium Triticonazole Tritosulfuron Warfarin	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Cereals, legumes and dried nuts	<p>Determination of pesticide residues</p> <p>Abamectin B1a, Abamectin B1b, Acephate, Acetamiprid, aldicarbsulfone, aldicarbsulfoxide, Azadirachtin, azamethiphos, azoxystrobin, Benalaxy, Bentazone, Bioallethrin, Bitertanol, Boscalid, Bromacil, bromuconazole, Cadusafos, Carbaryl, carbetamide, Carbofuran, chlorantraniliprole, 4chloroaniline, chlorpropham, chlorpyrifos, Cinerinl, Cinerinll, coumaphos, Cycloxydim, Cymoxanil, cyproconazole, Cyromazine, desmedipham, Diazinon, diethofencarb, Dichlorvos, difenoconazole, Dimethoate, dimethomorph, emamectinbenzoate, ethiofencarb, ethiofencarbsulfone, Ethion, famoxadone, Famphur, fenamiphos, fenbutatinoxide, Fenhexamid, Fenobucarb, Fenoxy carb, Flonicamid, fluazifop-p-butyl, Fluazinam, Flufenacet, flufenoxuron, Fluopicolide, formetanate-HCl, furathiocarb, heptenophos, hexaconazole, Hymexazol, Imazalil, imidacloprid, Indoxacarb, Iprovalicarb, Isoprocarb, Isoproturon, Jasmolinl, 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, spirodiclofen, spirotetramat, Spirotetramatmetabolite BY108330 mono-hydroxy, tebuconazole, tebufenpyrad, thiabendazole, thiacoiprid, thiamethoxam, thiadicarb, thifanox, thifanoxsulfone, thiophanatemethyl, triadimefon, triadimenol, trifloxystrobin, triflumizole, triforine, 2.3.5 trimethacarb, zoxamide</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
Cereals, legumes and dried nuts	<p>*Determination of residues of 25 pesticides</p> <p>Alphaendosulfan, betaendosulfan, betacyfluthrin, bromophosmethyl, cadusafos, chlorpyriphosmethyl, carbosulfan, cypermethrin, diazinon, dinitramine, endosulphansulphate, ethoprophos , fenchlorphos, lambda-cyhalothrin, ofurace, parathionethyl, parathionmethyl, penconazole, procymidone, spiromesifen, tau-fluvalinate, tefluthrin, tolylfluanid, trifluralin, vernalate</p>	In house method Mthd-Fd-pest-MP GC-and GC-MS
Cereals, legumes and dried nuts	<p>*Determination of residues of pesticides</p> <p>Acrinathrin, 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  spiroxamine ii, tecnazene  tefluthrin, tetradifon  triallate, vernalate  vinclozolin</p>	In house method Mthd-Fd- pest-GC-MS/MS GC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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 carbentamide, carbofuran carboxine, carfentrazone-ethyl chlorantraniliprole, chlorbromuron chloridazon, chlorotoluron 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</p>	<p>In-house method based on QuEChERS. Mtd-pest-milk LC-MS/MS</p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Milk and Dairy products (continue)	fenarimol,fenfuram, fenhexamid fenoxyanil,fenpropimorph, fensulfothion, fenthion sulfoxide,fenuron flamprop-isopropyl florasulam,flumetsulam fluopyram,fluoxaprop-p-ethyl fluridone,flurtamone flutriafol,fuberidazole furalaxyd,haloxyfop haloxyfop-p-methyl hexaconazole,imazalil imazamethabenz-methyl imidacloprid,isocarbamid isofenphos,isofenphos-methyl isoprothiolane,isoproturon isopyrazam,isoxyaben linuron,mandipropamid mefenacet,mephosfolan mepronil,Metalaxyd metazachlor,methiocarb sulfoxide methiocarb,methiocarb-sulfone methomyl, methoprotynne methoxyfenozide,metobromuron metolachlor,metolcarb metoxuron,metrafenone metribuzin,mevinphos, mexacarbate molinate,monocrotophos monolinuron,monuron napropamide,neburon nicosulfuron,nitenpyram nitralin, nitrappyram,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
Milk and Dairy products (continue)	Prometryn, propazine, prophos Propiconazole, prosulfocarb Pyridaphenthion, pyrimethanil Pyroquilon, pyroxsulam Quinalphos, quizalofop-p-ethyl rotenone, simeconazole simetryn, s-metolachlor spirotetramat, spirotetramatcis-enol spirotetramat mono-hydroxy tebutam, tebuthiuron, terbumeton terbutylazine, terbutryn, tetrachlorvinphos, thiacloprid thiamefoxam, thiobencarb triadimefon, triadimenol triazophos, tricyclazole trietazine, trifloxystrobin triflumuron, triticonazole warfarin, zoxamide	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Wine	*Determination of pesticide residues 2,6-dichlorbenzamide Acetamiprid, aldicarb 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, diclobutrazol, dicrotophos, 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	In-house method based on QuEChERS.  Mtdh-pest-wine  LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Wine (continue)	Fenuron, flamprop isopropyl, Florasulam, fluazifop-p-butyl flufenacet, flumetsulam, fluopicolide, fluopyram, fluoxaprop-p-ethyl, fluridone, flurprimidol, flurtamone, flusilazole, flutriafol, fuberidazole furalaxyd, 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, methoprottryne, metobromuron, metolachlor, metoxuron, metrafenone, metribuzin, mevinphos, mexacarbate monocrotophos, monolinuron napropamide, neburon, nitrappyram 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, pyriproxyfen 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	

Materials / Products	Type of testing / Countable properties	Methods / Techniques
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	Modified QuPPe-PO-Method Version 10.1 (EURL-SRM) and AN64868-EN 1016 Mthd-pest-polar LC-MS/MS
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 Acrylamide	In house method Mthd-wt-acr-LC-MS/MS

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Water	<p>Determination of 73 pesticide residues</p> <p>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  Azoxystrobin, Benalaxy, Bitertanol  Boscalid, Bromuconazole  Cadusafos, Carbetamide  Chlorpyrifos, Cyproconazole  Diazinon, Diethofencarb, Dimethoate,  Ethion, Fampur  Isoproturon, Iprovalicarb  Kresoxim-methyl, Lenaci, Linuron  Mefenacet, Metalaxy  Methiocarb, Methiocarb sulfoxide  Methomyl, Metribuzin, Myclobutanil  Oxadixyl, Penconazole, Pencycuron  Pendimethalin, Pirimicarb  Pirimiphos-methyl, Prophos  Propoxu, Propyzamide  Prosulfocarb, Pyraclostrobin  Thiacloprid, Thiabendazole  Triadimenol, Triflumizole  Zoxamide</p>	EPA 525.3 Mthd-wt-pest-GC-LC

Materials / Products	Type of testing / Countable properties	Methods / Techniques
<p>1. Potable water, Surface water ,Well waters (underground water), liquid and solid wastes</p> <p>Plants, foodstuffs and animal feeding stuffs,</p> <p>Particulate matter on air filters from atmospheric air sampling, non-metallic products for use in contact with water ,</p> <p>Ceramic articles and materials in contact with foodstuffs</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>
<p>2. 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 in the laboratory's website</p>	<p>Determination of mycotoxins in a flexible field (based on CYS-CYS AB procedureOP 15), as described in detail in the QCL-09 Accredited Activities Catalogue Form F-ILAB-112-2</p>	<p>Technique <u>HPLC-Fluorescence</u></p>

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Foodstuffs	Determination of sorbic and benzoic	664.8.035:543.544 Nordic Committee on Food Analysis HPLC Mthd-Fd-Presv/LC UDC
Fish and fisheries products	Determination of histamine	Inhouse method base on ISO 19343:2017 and T.C. de Fiqueiredoet al./Talanta 142(2015) 240-245 HPLC, LC MS/MS Mthd-Fd-mod-His
Waters	Determination of chlorophyll a and pheophytin a	EPA Method 446.0/ APHA 10200 H: 2017 Mthd-wt-chlor
Sediments/ sludge	Determination of Nitrates	ICARDA 5.9.3 /merk spectroquart Mthd-soil-NO3  Specrophotometry
Sediments/ sludge	Determination of nitrites	In-house method based on APHA 4500 B- NO2 2017 ICARDA 5.9.3 Mthd-soil-NO2 Specrophotometry
Sediments/ sludge	Determination of ammonium	In-house method based on APHA 4500- NH3- F:2017 ICARDA 5.9.4 Mthd-Soil-NH3 Specrophotometry

<b>Materials / Products</b>	<b>Type of testing / Countable properties</b>	<b>Methods / Techniques</b>
Sediments/ sludge	Determination of phosphates	In-house method based on APHA 4500-P E: 2017 ICARDA 5.10 Mthd-soil-PO4  Specrophotometry
Sediments/ sludge	Determination of total nitrogen KJELDAHL TKN and organic nitrogen	In-house method based on APHA 4500- NorgB: 2017 Mthd-soil -TKN
Soil Sediments / sludge	Determination of organic matter, oxidizable organic carbon, and total organic carbon (method Walkley-Black).	ICARDA 5.5 Mthd-soil-TOC
Soil Sediments / sludge	Determination of organic matter ( 380 °C)	NCEA-C-1282 Mthd-soil-OM
Sea water	Determination of Volatile organic compounds (VOCs, BTEX)	EPA 8260D (SW-846)/ EPA 5030C// EPA Method 5035s  Purge and Trap and GC-MS  Mthd-VOC-P&T
Sediments / soils	Determination of Volatile organic compounds (VOCs, BTEX)	EPA 8260D (SW-846)/ EPA 5030C// EPA Method 5035s Mthd-VOC-P&T  Purge and Trap and GC-MS
Sea water	Determination of Total Recoverable Petroleum Hydrocarbons (TRPH /TPH)	EPA3550C /EPA8015 Mthd- sd-wt-TPH  GC-FID/MS

<b>Materials / Products</b>	<b>Type of testing / Countable properties</b>	<b>Methods / Techniques</b>
Sediments / Soils	Determination of Total Recoverable Petroleum Hydrocarbons (TRPH /TPH),	EPA3550C /EPA8015 Mthd- sd-wt-TPH GC-FID/MS
Sea water	Determination of total and aliphatic hydrocarbons (by calculation)	EPA3550C /EPA8015 EPA 8260D (SW-846) EPA 8260D (SW-846)/ EPA Method 550
Sediments / sludges	Determination of total and aliphatic hydrocarbons (by calculation)	EPA3550C /EPA8015 EPA 8260D (SW-846) EPA 8260D (SW-846)/ EPA Method 550
Sediments / soils	Determination of NPD and Decalines	EPA 8310/EPA 3550 Mthd-sd-NPD-Decaline GC-MS/MS
Soil Sediments / sludges	Grain Size Analyses	ISO 11277:2009 ISO 11464:2006 Mthd-Soil-SV-SD

<b>* Opinion and Interpretation</b>		
Water Wastes Enviromental samples Foodstuffs	<p>Applcation of accreditation field methods on a soil sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>1. QCL-10</p> <p>ICARDA. "Soil and plants analysis laboratorymanual", J.Ryan, G.Estephan, A.Rashid (<a href="http://www.icarda.org/publications.htm">www.icarda.org/publications.htm</a>)</p> <p>Chemical Analysis of ecological Materials Stewart E. Allen</p> <p>Methods of analysis for soils of Arid and Semi-Arid regions Issam I. Bashour, A. H. Sayegh</p>

	<p>Application of accreditation field methods on a water sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>THE MONITORING OF WATER POLLUTION LAW OF 2002 (No. 106 (1) / 2002)</p> <p>FAO Irrigation and drainage paper "Water quality for agriculture" R.S. Ayers, D.W.Westcot</p> <p>The public pool Law N. 105(III)</p> <p>Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption</p> <p>DIRECTIVE 2008/105/EC on environmental quality standards in the field of water policy, amending and subsequently repealing Council Directives 82/176/EEC, 83/513/EEC, 84/156/EEC, 84/491/EEC, 86/280/EEC and amending Directive 2000/60/EC of the European Parliament and of the Council</p> <p>Law 57 (I) / 2008 on the management of bathing water quality</p> <p>Directive 2006/7 / EC on the management of bathing water quality</p>
--	--	---

	<p>Application of accreditation field methods on a waste sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>Pollution and Environmental Protection Technology Triantaphyllos Alpanis</p> <p>The pollution of the waters Laws 2002 to 2008 (Am. 106 (I) / 2002, Dec. 160 (I) / 2005, Sept. 76 (I) / 2006, (I) / 2008, Issue 53 (I) / 2008), Issue 68 (I) / 2009, Issue 78 (I) / 2009</p>
	<p>Applcation of accreditation field methods on a food sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>Commission Recommendation of 2 June 2010 on the monitoring of acrylamide levels in food. 2010/307 / EU Brussels, XXX SANTE/11059/2016 – revision1 [...] (2016) XXX draft</p> <p>Commission Regulation (EU) .../... of XXX on the application of codes of good practice to reduce the presence of acrylamide in food</p> <p>Council Regulation (EC) No 1333/2008 of the European Parliament and of the Council of 16 th December 2008 on food additives</p> <p>(EC) No. 1924/2006 on nutrition and health claims made on foods. Council Regulation (EC) No 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs (Text with EEA relevance)</p>

		<p>Council Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25th October 2011 on the provision of food information to consumers</p> <p>Council Regulation (EC) 333/2007 laying down methods of sampling and analysis for the monitoring of levels of trace elements and food-borne contaminants in processing</p> <p>Council Regulation (EC) No 1107/2009 on the placing of plant protection products on the market</p>
--	--	--

	<p>Application of accreditation field methods on an environmental sample –air submitted , interpretation of laboratory results and expression of opinion</p>	<p>Internal Air Quality Guide. Department of Labor Inspection</p> <ul style="list-style-type: none"> <li>• Legislation concerning the control of air pollution and includes the Atmospheric Pollution Control Laws of 2002 to (No.2) of 2013 (N. 187 (I) / 2002, N. 85 (I) / 2007, N. 10 (I) / 2008, N. 79 (I) / 2009, N. 51 (I) / 2013 and N. 180 (I) / 2013</li> </ul> <ul style="list-style-type: none"> <li>• Control of Atmospheric Pollution (Non-Licensed Installations) Regulations 2004 to 2015 (KΔ 170/2004, KΔ 198/2008, KΔ 219/2013 and KΔ 184/2015)</li> </ul> <p>Indoor air quality guide. Best practices for design, construction and commissioning</p> <p>ASHRE</p>
--	--	---

Microbiological Testing		
Potable water, Surface water, swimming pool water, sea water, well waters (underground water)	1. Enumeration of Total coliforms	APHA 9222B:2012 <sup>7</sup> Mthd-WF-CL
	2. Enumeration of culturable microorganisms	CYS EN 6222:1999 Meth-wf-tvc
	3. Detection and enumeration of intestinal enterococci	ENISO7899-2:2000 Mthd-wtr-str-iso
	4. Detection and enumeration of <i>Staphylococcus</i>	APHA 2012 (9213B) Mthd-Wr-staph
	5. Detection and enumeration of <i>Pseudomonas aeruginosa</i>	CYSISO 16266: 2008 Mthd-wtr-Pseud
Potable water, Surface water, swimming pool water, well waters (underground water)	1. Enumeration of fecal coliforms	APHA 9222D:2012 <sup>7</sup> Mthd-WF-CL
	2. Detection and enumeration of the spores of sulfite-reducing anaerobes ( <i>Clostridia</i> )	ISO 6461-2:1986 Mthd-wtr-clostr
Potable water, swimming pool water (waters with low bacterial counts)	Detection and enumeration of coliforms and <i>Escherichia coli</i> (E.coli)	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> (E.coli)	In-house method based on EN ISO 9308- 1:2014+A1:2017 Mthd-wtr-e.coli
Potable water, Surface water, swimming pool water, well waters (underground water), closed circuit waters with low bacterial counts	1. Detection and enumeration of <i>Legionella</i>	ISO 11731-2:2017 Mthd-wtr-Leg Membrane filtration

Potable water, Surface water, swimming pool , sea water , well waters (underground water)	1. Detection and enumeration of <i>Fecal streptococci</i>	ELOT: 947.2:1996  Mthd-wtr-str
Wastes	1. Enumeration of Total Coliforms	<sup>1</sup> APHA 9222B:2017  Mthd-wtr-waste-E.coli
	2. Enumeration of <i>E. Coli</i>	APHA 9222 I:2017  Mthd-wtr-waste-E.coli
Waters and Wastes	1. * <i>Salmonella</i>	ISO 19250: 2013  Mthd-Wtr-sal-iso
	2. **Enumeration of <i>Clostridium perfringens</i>	CYS EN ISO 14189:2013  Mthd-wtr-clostr-N
Foodstuffs	1. Detection of enterotoxins staphylococci using VIDAS	VIDAS®Staph Enterotoxin II of Biomerieux SA. Validation certificate from AOACN°070404  Mthd-Fd-staph enter
	2. Detection of potentially enteropathogenic <i>Vibrio</i> spp - <i>Vibrio parahaemolyticus</i>	ISO 21872-1: 2017  Mthd-fd-vibrio
	*3. Enumeration of mesophilic lactic acid	ISO 15214: 1998  Mthd-fd-LA
	4. Enumeration of cuagulase positive <i>Staphylococcus aureus</i>	AOAC975.55  Mthd-Fd-st.aureus
	5. Enumeration of yeast & mould	AOAC ch 18  Mthd-Fd-Y/M

Animal feeding stuffs	1. Enumeration of coagulase positive <i>Staphylococcus aureus</i>	In-house method based on AOAC975.55 Mthd-Fd-st.aureus
	2. Enumeration of yeast & mould	In-house method based on AOAC ch 18 Mthd-Fd-Y/M
Foodstuffs and animal feeding stuffs	1. Enumeration of Total Coliforms	ISO 4832:2006 Mthd-WF-CL
	2. Enumeration of total microorganisms	ISO 4833-1:2013 Mthd-WF-TVC
	3. Enumeration of $\beta$ -glucuronidase positive <i>Escherichia coli</i>	ISO 16649-2:2001 Mthd-Wf-Ecoli
	4. Enumeration of Enterobacteriaceae	ISO 21528-2:2017 Mthd-Fd-enter
	5. Enumeration of <i>B.Cereus</i>	EN ISO 7932:2004 Mthd-Fd-Bac
	6. Enumeration of <i>Clostridium perfringens</i>	CYS EN ISO 7937:2004 Mthd-Fd-clostr
	7. <sup>1</sup> Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. -- Part 1: Detection method  Detection of <i>Listeria monocytogenes</i> in Food and animal feeding stuffs	CYS EN ISO 11290- 1:2017 Mthd-Fd-L. monoc./kat-iso.  VIDAS Biomerieux- LMO2- Validation certificate AFAQ/AFNORBIO 12/09-07/02 Mthd-fd-mon-kat/V
	8. <sup>1</sup> Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. -- Part 2: Enumeration method	CYS EN ISO 11290- 2:2017
	9. Enumeration of <i>Listeria monocytogenes</i>	ISO 11290-2:2017 Mthd-Fd- L.monoc./kat-iso
	10. Detection of <i>Campylobacter</i> spp	CYS EN ISO 10272- 1:2017 Mthd-Fd-camp.spp

	11. Enumeration of <i>Campylobacter</i> spp	CYS EN ISO 10272-2:2017 Mthd-Fd-Camp-kat
	12. Detection of <i>Salmonella</i> spp (Except of <i>S. typhi</i> & <i>S. paratyphi</i> )	CYS EN ISO 6579-1:2017 Mthd-Fd-sal-iso
		VIDASBiomerieux-Validation certificate AFAQ/AFNORBIO 12/01-04/94 Mthd-Fd-afn
Food and animal feeding stuffs	Detection of <i>Salmonella</i> spp	VIDAS® Up Salmonella AFNOR BIO 12/32-10/11 Mthd-fd-sal-afn-UP
Environmental samples and animal faeces	Detection of <i>Salmonella</i> spp (Except of <i>S. typhi</i> & <i>S. paratyphi</i> )	CYS EN ISO 6579-1:2017 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
Potable water, Surface water, See water, Well waters (underground water)	Detection and enumeration of <i>Clostridium perfringens</i> bacteria and spores.	Directive 98/83/EC
Serotypes of <i>Salmonella</i> spp	Serotyping of <i>Salmonella</i> - <i>S. enteritidis</i> kai <i>S. typhimurium</i>	ISO/TR 6579-3:2014 Mthd-Salm-Ser
Petroleum products	Enumeration of heterotrophic microorganisms and fungi	ASTM -D 6974-16 Mthd-fuel-mic

Cosmetics	1. Detection of Pseudomonas aeruginosa	CYS EN ISO 22717:2015 Mthd-cosm-Pseud
	2. Detection of Candida albicans	CYS EN ISO 18416:2015 Mthd-cosm-Cand
	3. Detection of Staphylococcus aureus	CYS EN ISO 22718:2015 Mthd-cosm-Staph
	4. Detection of Escherichia coli	CYS EN ISO 21150:2015 Mthd-cosm-E.Coli
	5. Detection and enumeration of aerobic mesophilic bacteria	CYS EN ISO 21149:2017 Mthd-cosm-TVC
	6. Detection and enumeration of yeast and mould	CYS EN ISO 16212:2017 Mthd-cosm-Y/M
<b>SAMPLING</b>		
Tap water	*Quality of water-Sampling for microbiological analysis of tap water	ISO 19458: 2006 Mthd-samp
Water of pools	*Quality of water-Sampling for microbiological analysis of water	ISO 19458: 2006 Mthd-samp
Waste	*Quality of water-Sampling for microbiological analysis of waste	ISO 19458: 2006 Mthd-samp
Surface samples using swabs and contact plates	*Horizontal methods of sampling and analysis for microbiological tests	ISO 18593:2018 Mthd-swab
<b>* Opinion and Interpretation</b>		
Water Wastes Foodstuffs Feeding stuffs		1. QCL-10

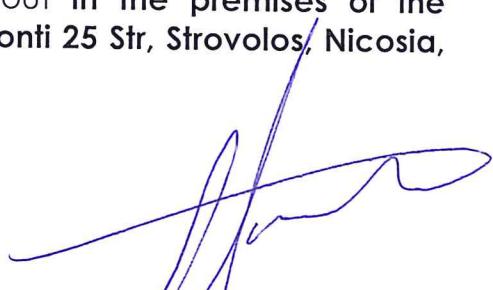
	<p>Application of accreditation field methods on a food sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>Guidance Document Implementation of procedures based on the HACCP principles, and facilitation of the implementation of the HACCP principles in certain food businesses</p> <p>White Paper on Food Safety EU Brussels, COM (1999) 719</p> <p>Regulation (EC) 852/2004 on the hygiene of foodstuffs</p> <p>Regulation(EC) 2073 "on Microbiological Criteria for Food</p> <p>Guidelines for the Interpretation of Results of Microbiological Testing of Ready-to-Eat Foods Placed on the Market. Food safety Authority of Ireland</p> <p>Guidelines for Assessing the Microbiological Safety of Ready-to-Eat Foods Placed on the market. Health Protection Agency</p>
--	---	--

	<p>Applcation of accreditation field methods on a water sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>Legionella and the prevention of legionellosis. FAO Edited by: Jamie Bartram, Yves Chartier, John V Lee, Kathy Pond and Susanne Surman-Lee</p> <p>On public pools Law No. 105 (I)</p> <p>Directive 98/83 / ec on the quality of water intended for human consumption</p>
	<p>Applcation of accreditation field methods on an waste sample submitted , interpretation of laboratory results and expression of opinion</p>	<p>Pollution and Environmental Protection Technology Triantaphyllos Alpanis</p> <p>The pollution of the waters Laws 2002 to 2008 (Am. 106 (I) / 2002, Dec. 160 (I) / 2005, Sept. 76 (I) / 2006, (I) / 2008, Issue 53 (I) / 2008), Issue 68 (I) / 2009, Issue 78 (I) / 2009</p>
	<p>Applcation of accreditation field methods on an environmental sample –air submitted , interpretation of laboratory results and expression of opinion</p>	<p>Internal Air Quality Quide. Department of Labor Inspection</p> <p>Indoor air quality guide. Best practices for design, construction and commissioning</p> <p>ASHRE</p>

**Authorised person to sign test reports is Mrs Chara Papastefanou.**

**General Remarks**

This Annex refers **only for tests** carried out **in the premises of the Laboratory**, at the following address: **Polyfonti 25 Str, Strovolos, Nicosia, Cyprus.**



Antonis Ioannou  
Director

Date: 20th January 2021