CYPRUS ORGANIZATION FOR THE PROMOTION OF QUALITY
CYPRUS ACCREDITATION BODY

ACCREDITATION CERTIFICATEno. *£104*

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 the

VELTIA Labs for Life

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 **competenttoperform 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.

Cyprus Accreditation Body is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) in the above-mentioned field.

The current Accreditation Certificate, no.*£104* issued on the **16 February 2023** **is valid till the 6th June 2023**

Accreditation was granted for the first time on the 7th December 2018

Antonis Ioannou
Director CYS-CYSAB

Date: 16/2/2023

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 (ISO-ILAC-IAF Communiqué 04/2017)

Annex
to the Accreditation certificate number L104

***Valid from 12th March 2020 until 6th December 2022**
****Valid from 9thJuly 2020 until 6th December 2022**
*****Valid from 9thMarch 2022 until 6th December 2022**
****** Valid from 9thJune 2022 until 6th December 2022**
******* Valid from 16 February 2023 until 6th June 2023**
+ New version Valid from 9thMarch 2022 until 6th December 2022
++ New version Valid from 16 February 2023 until 6th June 2023
The new version of CYS EN ISO/IEC 17025:2022 is valid from 12thMarch 2020

Materials / Products	Type of testing / Countable properties	Methods / Techniques
Chemical Testing		
Olive Oil	Acidity	++Directive EE "Document Ares (2022) 1819541 ANNEX I COI 20/DOC.34/Rev.1 2017
Fats and Oils	Extinction Coefficient K (at 270nm and 232nm) and the Parameter ΔK	++ Directive EE "Document Ares (2022) 1819541 ANNEX I K: COI 20 / DOC .19 /Rev.5 2019
	Peroxide value	++ Directive EE "Document Ares (2022) 1819541 ANNEX I COI/T20/DOC.35/ Rev.1 2017
Food and Animal Feeding Products	Fat Content	Modified Based on AOAC 948.15, AOAC 920.39, ISO 1443-1973, EU Regulation 152/2009 SOXHLET extraction
Food	*Ash	Modified Based on AOAC 923.03, AOAC 930.22, AOAC 925.11, AOAC 923.03, AOAC 938.08, AOAC 920.117, AOAC 935.42, AOAC 945.46, AOAC 920.153, ISO 2171, AOAC 930.05, AOAC 925.510
	Carbohydrates	METH 02 27 (computational by difference)
	Energy	METH 02 21 (By calculation)
	*Moisture Content	Modified Based on AOAC 925.10,AOAC 926.07, AOAC 952.08, AOAC 920.116, AOAC 941.08,AOAC 948.12, AOAC 925.23, AOAC 920.115, ISO 13580, AOAC 950.46, ISO 712:2009, ISO 24557, AOAC 930.05, AOAC 940.26

Food	*Total Nitrogen (Protein)	Modified Based on AOAC 991.20, 950.36, 920.87, ISO 1871:2009, AOAC 991.20, AOAC 991.20, AOAC 920.87 Kjeldhal
	Total Sulphites	AOAC 990.28 Titration
	*Sorbic and benzoic acid	Modified based on ISO 22855:2008 HPLC
	***Salt expressed as NaCl	Calculated Method based on European Legislation 1169/2011 and APHA[1] 3125 A, B:2022 ICP-MS & Calculation
	***Crude Fibers	Modified Based on Weende Method
	***Determination of Propionic Acid	Modified Based on Beuth 17.00 14 HPLC
	***Determination of metals As, Cd, Cr, Co, Sn, Hg, Ni, Pb, Ca, TP, Mg, K, Na, Iron, Copper, Manganese, Zinc	Modified Based on AOAC 2013.06 ICP-MS
	*** Sugars	Modified based on AOAC 982.14 HPLC
	***Determination of Dietary Fibers	Modified Based on AOAC 985.29
Food and Olive oil	*Determination of fatty acids Profile	Modified Based on EU Regulation No 2568/91 Annex X GC-FID
Meat and Meat products	***Determination of Hydroxyproline (Collagen).	Modified Based on ISO 3496:1994 UV
	***Determination of Nitrates & Nitrites (NO_3 & NO_2)	Modified Based on EN ISO 12014-2 HPLC (IC)
Fruits and Vegetables, Meat and meat products, Fish and fish products	*Determination of Pb, Cd, As, Hg	Modified based on AOAC 2013.06 ICP-MS
Fruits and fruit products, Vegetables and vegetable products	*Determination of nitrates.	Modified based on EN 12014-2 HPLC (IC)
Fruit and vegetables	*Determination of dithiocarbamate residues (Mancozeb, Maneb, Propineb, Thiram, Methiram, Zineb, Ziram).	Modified Based on the «Analysis of Dithiocarbamate residues in foods of plant origin involving cleavag into Carbon Disulfide, partitioning into Isooctane and determinative analysis», CRL for Residues of Pesticides GC-MS

Fruit and vegetables (High water content)	****Determination of pesticide residues 2,5-Hydroxythiabendazole Acetamiprid Albendazole Ametoctradin Ametryn Amicarbazone Amidosulfuron Ancymidol Anilofos Aspon Atrazine Atrazine-desethyl Atrazine-desisopropyl Azaconazole Azamethiphos Azoxystrobin BAC 12 BAC 14 BAC-C18 Benazolin-ethyl ester Benodanil Benoxacor Bensulfuron Methyl Benthiavalicarb-isopropyl Benzovindiflupyr Bixafen Boscalid Bromacil Bromfenvinfos Bromuconazole (sum of diasteroisomers) BTS 44595 (Prochloraz metabolite) BTS 44596 (Prochloraz metabolite) Bupirimate Buprofezin Butralin Buturon Butylate Cadusafos Cambendazole Carbendazim Carbufuran Carbofuran 3-keto Carbofuran-3-hydroxy Carfentrazone Ethyl(determined as carfentrazone and expressed as carfentrazone-ethyl), Carpropamide Chlorantraniliprole (DPX E-2Y45)	Based on EN 15662:2008 LC-MS/MS

Fruit and vegetables (High water content) cont/ed	Chlorfenvinphos Chlorfluazuron Chloridazon Chlorobenzuron Chloroxuron Chlorpropham Chlorpyriphos Ethyl Chlorsulfuron Chlorthion Chlortoluron Clethodim Clofentezine Clomazone Cloquintocet-mexyl Clothianidin Coumaphos Crimidine Crufomate Cyanazine Cyantraniliprole Cyazofamid Cycloate Cycluron Cyflufenamid Cyflumetofen Cyprazin Cyproconazole Cyprodinil Cythioate DDAC-C8 DDAC-C10 DDAC-C12 DEET(N-N-Diethyi-m-toluamid) Demeton-S-Methyl Demeton-S-Methyl sulfone Desmedipham Desmethyl-formamido-pirimicarb Desmetryn Diazinon Dichlorobenzamide Diclosulam Dicrotophos Difenoconazole Difenoxuron Diflubenzuron Diflufenican Dimefox Dimefuron DMSA (metabolite dichlofluanid) Dimethachlor Dimethenamid Dimethoate Dimethomorph Dimethylvinphos Dimoxystrobin	

Fruit and vegetables (High water content) cont/ed	Diniconazol (sum of isomers) Dinotefuran Diphenamid Dipropetryn Disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton), Disulfoton-Sulfone Disulfoton-Sulfoxide Dithiopyr Diuron (2,4-dimethylphenyl formamide) DMPF Dodine Edifenphos Epoxiconazole Etaconazole Ethiofencarb-sulfone Ethiprole Ethofumesate Ethoprophos Etobenzanid Etofenprox Etoxazole Etrimfos Famphur Fenamidone Fenamiphos sulfone Fenamiphos-Sulfoxide Fenazaquin Fenbuconazole Fenchlorophos-Oxon Fenclorazol - ethyl Fenhexamid Fenobucarb Fenoxycarb Fenpicoxamid Fenpropidin Fenpyrarazamine Fenpyroximate Fensulfothion Fensulfothion-Oxon Fensulfothio-oxon-sulfone Fenthion Fenthion oxon Fenthion sulfoxide Fenuron Flonicamid Fluazifop butyl Fluazuron Flufenacet Flufenoxuron Fluometuron Fluopicolide	

Fruit and vegetables (High water content) cont/ed	Fluopyram Fluoxastrobin Flupyradifyrron Fluquinconazole Fluridone Flurochloridone Fluroxypyr Fluroxypyr-1-methylheptylester Flurprimidole Flurtamone Flusilazole Fluthiacet-methyl Flutolanil Flutriafol Fluxapyroxad Fonofos (Dyfonate) Forchlorfenuron Fosthiazate Furalaxyl Furathiocarb Furmecyclox Griseofulvin Halauxifen Heptenophos Hexaconazole Hexazinone Hexythiazox Imazalil Imazamethabenz Methyl Imazethapyr Imibenconazole Imidacloprid Inabenfide Indaziflam Indoxacarb (sum of indoxacarb and its R enantiomer) Iodofenphos Iprovalicarb (sum of isomers) Isazofos Isofenphos Methyl Isofentamid Isopropalin Isoproturon Isopyrazam Isoxaben Isoxathion Karanjin Lenacil Linuron Malaoxon Mandipropamid Matrine Mecarbam Mefenacet Mefentrifluconazole	

Fruit and vegetables (High water content) cont/ed	Mefluidide Mepanipyrim Mephospholan Mepronil Metalaxyl-M Metamitron Metconazole (sum of isomers) Methabenzthiazuron Methamidophos Methiocarb sulfoxide Methiocarb-sulfone Methoprotryne Methoxyfenozide Metobromuron Metolachlor Metoxuron Metrafenone Metribuzin Metsulfuron Methyl Molinate Monocrotophos Monolinuron Monuron Myclobutanil Naphthalene acetamide Napropamide Nitenpyram Norflurazon N-Phenylurea Nuarimol Ofurace Omethoate Oxamyl oxime Oxathiapiprolin Oxfendazole Oxycarboxin Paclobutrazole Paraoxon Paraoxon Methyl Penconazole Pencycuron Penflufen Penoxsulam Penthiopyrad Pethoxamid Phorate-sulfoxide Phosalone Phosmet-Oxon Picolinafen Picoxystrobin Piperonyl Butoxide Piperophos Pirimicarb Pirimiphos Ethyl Pirimiphos Methyl	

Fruit and vegetables (High water content) cont/ed	Pretilachlor Prochloraz Profenofos Profoxydim (sum of isomers) Promecarb Prometryn Propachlor Propamocarb Propazine Propiconazole(sum of isomers) Propyzamide Proquinazid Prosulfocarb Prosulfuron Prothioconazole Prothioconazole-desthio(sum of isomers) Pyracarbolid Pyraclostrobin Pyraflufen Ethyl Pyrazophos Pyributicarb Pyridaben Pyridaphenthion Pyrifluquinazon Pyrimethanil Pyrimidifen Pyriminobac-methyl Pyriofenone Pyriproxyfen Pyroquilon Quinalphos Quinoxyphen Quizalofop Ethyl Rabenzazole Rotenone Sedaxane Siduron(sum of isomers) Silthiofam Simazine Simetryn Spinosad (spinosad sum of spinosyn A and spinosyn D) Spinosyn A Spinosyn D Spirodiclofen Spirotetramate Spirotetramate-keto-hydroxy Spirotetramate-mono-hydroxy Spiroxamine(sum of isomers) Sulfotep Tebuconazole Tebufenpyrad Tebupirimphos Tebuthiuron	

Fruit and vegetables (High water content) cont/ed	Temephos Terbacil Tetrachlorvinphos Tetraconazole Tetraethylpyrophosphate TFNG (metabolite flonicamid) Thiabendazole Thiacloprid Thiamethoxam Thiazafluron Thiazopyr Thidiazuron Thiometon sulfone Thiometon sulfoxide Thiophanate Methyl Thiophanat-ethyl Tolfenpyrad Triadimefon Triadimenol Triasulfuron Tribufos (s, s, s-tributyl-phosphorotrithioate) Tricyclazole Trifloxystrobin Triflumizol Triflumizol Metabolite FM-6-1 Triflumuron Triticonazole Uniconazole Valifenalate Vamidothion Vamidothion sulfone Vegadex (Sulfallate) Vernolate Warfarin Zoxamide	

Legumes and Cereals (Low water content)	***Determination of pesticide residues 5-Hydroxythiabendazole Acetamiprid Albendazole Ametoctradin Ametryn Amicarbazone Amidosulfuron Ancymidol Anilofos Aspon Atrazine Atrazine-desethyl Atrazine-desisopropyl Azaconazole Azamethiphos Azoxystrobin BAC 10 BAC 12 BAC-C14 Benazolin-ethyl ester Benodanil Benoxacor Bensulfuron Methyl Benthiavalicarb-isopropyl Benzovindiflupyr Bixafen Boscalid Bromacil Bromfenvinfos Bromuconazole (sum of diasteroisomers) Prochloraz metabolite BTS 44595 Prochloraz metabolite BTS 44596 Bupirimate Buprofezin Butralin Buturon Butylate Cadusafos Cambendazole Carbendazim Carbofuran Carbofuran 3-keto Carbofuran-3-hydroxy Carfentrazone Ethyl (determined as carfentrazone and expressed as carfentrazone-ethyl) Carpropamid Chlorantraniliprole	Based on EN 15662:2008 LC-MS/MS

	(DPX E-2Y45) Chlorfenvinphos Chlorfluazuron Chloridazon Chlorobenzuron Chloroxuron Chlorpropham Chlorpyriphos Ethyl Chlorsulfuron Chlorthion Chlortoluron Clethodim Clofentezine Clomazone Cloquintocet-mexyl Clothianidin Coumaphos Crimidine Crufomate Cyanazine Cyantraniliprole Cyazofamid Cycloate Cycluron Cyflufenamid Cyflumetofen Cyprazin Cyproconazole Cyprodinil Cythioate DDAC-C8 DDAC-C10 DDAC-C12 Demeton-S-Methyl Demeton-S-Methyl sulfone Desmedipham Desmethyl-formamido-pirimicarb Desmetryn Diazinon Dichlorobenzamide Diclosulam Dicrotophos Difenoconazole Difenoxuron Diflubenzuron Diflufenican Dimefox Dimefuron DMSA((metabolite dichlofluanid) Dimethachlor Dimethenamid Dimethoate Dimethomorph Dimethylvinphos Dimoxystrobin	

	Diniconazol (sum of isomers) Dinotefuran Diphenamid (aka difenamide) Dipropetryn Disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton) Disulfoton-Sulfone Dithiopyr Diuron 2,4-dimethylphenyl formamide (DMPF) Dodine Edifenphos Epoxiconazole Etaconazole Ethiofencarb-sulfone Ethiprole Ethofumesate Ethoprophos Etobenzanid Etofenprox Etoxazole Etrimfos Famoxadone Famphur Fenamidone Fenamiphos sulfone Fenamiphos-Sulfoxide Fenazaquin Fenclorazol - ethyl Fenbuconazole Fenchlorophos-Oxon Fenhexamid Fenobucarb Fenoxycarb Fenpicoxamid Fenpropidin Fenpyrarazamine Fenpyroximate Fensulfothion Fensulfothion-Oxon Fensulfothio-oxon-sulfone Fenthion Fenthion oxon Fenthion sulfoxide Fenuron Flonicamid Fluazifop butyl Fluazuron Flufenoxuron Fluometuron Fluopicolide Fluopyram	

	Fluoxastrobin Flupyradifurone Fluquinconazole Fluridone Flurochloridone Fluroxypyr Fluroxypyr-1-methylheptylester Flurprimidole Flurtamone Flusilazole Fluthiacet-methyl Flutolanil Flutriafol Fluxapyroxad Fonofos (Dyfonate) Forchlorfenuron Fosthiazate Furalaxyl Furathiocarb Furmecyclox Griseofulvin Halauxifen Heptenophos Hexaconazole Hexazinone Hexythiazox Imazalil Imazamethabenz Methyl Imazethapyr Imibenconazole Imidacloprid Inabenfide Indaziflam Indoxacarb (sum of indoxacarb and its R enantiomer) Iodofenphos Iprovalicarb (sum of isomers) Isazofos Isofentamid Isopropalin Isoproturon Isopyrazam Isoxaben Isoxathion Karanjin Lenacil Linuron Malaoxon Mandipropamid Matrine Mecarbam Mefentrifluconazole Mefluidide Mepanipyrim Mephospholan	

	Mepronil Metalaxyl-M Metamitron Metazachlor Metconazole (sum of isomers) Methabenzthiazuron Methiocarb sulfoxide Methiocarb-sulfone Methoprotryne Methoxyfenozide Metobromuron Metolachlor Metoxuron Metrafenone Metribuzin Metsulfuron Methyl Molinate Monocrotophos Monolinuron Monuron Myclobutanil Naphthalene acetamide Napropamide Nitenpyram Norflurazon N-Phenylurea Nuarimol Ofurace Omethoate Oxamyl oxime Oxathiapiprolin Oxfendazole Oxycarboxin Paclobutrazole Paraoxon Paraoxon Methyl Penconazole Pencycuron Penflufen Penoxsulam Penthiopyrad Pethoxamid Phorate-sulfoxide Phosalone Phosmet-Oxon Picolinafen Picoxystrobin Piperonyl Butoxide Piperophos Pirimicarb Pirimiphos Ethyl Pirimiphos Methyl Pretilachlor Prochloraz Profenofos	

	Profoxydim (sum of isomers) Promecarb Prometryn Propachlor Propamocarb Propazine Propiconazole (sum of isomers) Propyzamide (Pronamide) Proquinazid Prosulfocarb Prosulfuron Prothioconazole Prothioconazole desthio (sum of isomers) Pyracarbolid Pyraclostrobin Pyraflufen Ethyl Pyrazophos Pyributicarb Pyridaben Pyridaphenthion Pyrifluquinazon Pyrimethanil Pyrimidifen Pyriminobac-methyl Pyriofenone Pyriproxyfen Pyroquilon Quinalphos Quinoxyphen Quizalofop Ethyl Rabenzazole Sedaxane Siduron (sum of isomers) Silthiofam Simazine Simetryn Spinosad (spinosad sum of spinosy A and spinosyn D) Spinosyn A Spinosyn D Spirodiclofen Spirotetramate Spirotetramate-keto-hydroxy Spirotetramate-mono-hydroxy Spiroxamine (sum of isomers) Sulfotep Tebuconazole Tebufenpyrad Tebupirimphos Tebuthiuron Temephos Terbacil Tetrachlorvinphos Tetraconazole	

	Tetraethylpyrophosphate TFNG (Flonicamid metabolite) Thiabendazole Thiacloprid Thiamethoxam Thiazafluron Thiazopyr Thidiazuron Thiometon sulfone Thiometon sulfoxide Thiophanate Methyl Thiophanat-ethyl Tolfenpyrad Triadimefon Triadimenol Triasulfuron Tribufos (s, s, s-tributyl-phosphorotrithioate), Tricyclazole Trifloxystrobin Triflumizole Triflumizole Metabolite FM-6-1 Triflumuron Triticonazole Uniconazole Valifenalate Vamidothion Vamidothion sulfone Vegadex (Sulfallate) Vernolate Warfarin Zoxamide	

Fruits ,Vegetables	*****Determination of pesticides residues. Acetochlor Aclonifen Acrinathrin Alachlor Aldrin Ametryne Anthraquinone Atrazine Azoxystrobin Benalaxyl Benfluralin BHC, Alpha BHC, Beta BHC, delta BHC, gamma (Lindane) Bifenazate Bifenthrin Biphenyl Bitertanol Boscalid Bromacil Bromophos-ethyl Bromophos-methyl (Bromophos) Bromopropylate Bromuconazole Bupirimate Butachlor Butafenacil Butralin Cadusafos Carbaryl Carbofuran Carbophenothion Carbophenothion methyl Carboxin Chlorantraniliprole Chlorbufam Chlordane alpha-cis Chlordane gamma-trans Chlorfenapyr Chlorfenprop-methyl Chlorfenson Chlorfenvinphos Sum Chlormephos Chlorobenzilate Chloroneb	Based on EN 15662:2008 GC-MS/MS METH 02171/4/28-07-2022

Fruits ,Vegetables cont'ed	Chlortoluron Chlorpropham Chlorpyriphos Ethyl Chlorpyrifos-methyl Chlorthal-dimethyl (Dacthal) Chlorthion Chlozolinate Clethodim Clodinafop-propargyl Clofentezine Clomazone Cloquintocet mexyl Coumaphos Cyanazine Cyanofenphos Cyanophos Cyfluthrin Sum Cyhalofop butyl Cyhalothrin I (lambda) Cypermethrin Sum Cyproconazole Cyprodinil DDD p,p DDD, o, p DDE o,p DDE p, p DDT o,p DDT p,p DEET Deltamethrin Demeton-O Demeton-S Desmetryn Diafenthiuron Diazinon Dichlobenil Dichlofenthion Dichloran Dichlorvos Diclofluanid Diclofop methyl Dicofol Dieldrin Diethofencarb Difenoconazole Sum Diflufenican Diniconazole Dioxabenzofos Diphenyl sulfide Diphenylamine	

Fruits, Vegetables cont'ed	Dipropetryn Disulfoton Disulfoton sulfone Disulfoton sulfoxide Ditalimfos Endosulfan a Endosulfan b Endosulfan sulfate Endrin EPN Epoxiconazole EPTC Esfenvalerate Etaconazole Sum Ethalfluralin Ethion Ethofumesate Ethoprop (Ethoprophos) Etofenprox Etridiazole (Terrazole) Etrimfos Famoxadone Fenamidone Fenamiphos Fenarimol Fenazaquin Fenbuconazol Fenchlorfos Fenfluthrin Fenitrothion Fenobucarb Fenpiclonil Fenpropimorph Fenson Fensulfothion Fenthion Fenvalerate Fipronil Fipronil-desulfinyl Fipronil-sulfon Flonicamid Fluazifop-P-butyl Fluchloralin Flucythrinate Fludioxonil Fluensulfone Flufenacet Flufenacet ESA (metabol.) Flumetralin Fluopicolide	

Fruits, Vegetables cont'ed	Fluopyram Fluotrimazole Fluquinconazole Flurprimidol Flusilazole Flutolanil Flutriafol Fluvalinate Sum Fluxapyroxad Fonofos Formetanate HCl Furalaxyl Halfenprox Haloxyfop-ethyl Haloxyfop-methyl Heptachlor epoxide Heptachlor epoxide cis-exo Heptachlor epoxide Trans-Endo Heptenophos Hexachlorobenzene Hexaconazole Hexazinone Imazalil Iodofenphos Iprobenfos Iprovalicarb Isazophos Isocarbophos Isofenphos Isofenphos-methyl Isoprothiolane Kresoxim-methyl Lenacil Leptophos Malathion Mecarbam Mefenpyr-diethyl Mepanipyrim Mepronil Metalaxyl Metazachlor Methabenzthiazuron Methacrifos Methidathion Methoprotryne Metolachlor Metrafenone Metribuzin Mevinphos Mirex	

Fruits,Vegetables cont'ed	Molinate (Ordram) Myclobutanil Naled Napropamide Nitralin Nitrapyrin Nitrofen Nitrothal-isopropyl Norflurazon Nuarimol Ofurace Ortho-phenylphenol Oxadiazon Oxadixyl Oxyfluorfen Paclobutrazol Parathion Ethyl Parathion-methyl Pebulate Penconazole Pencycuron Pendimethalin Pentachloroaniline Pentachloroanisole Permethrin Perthane (Ethylan) Phenkapton Phenthoate Phorate Phosalone Phosphamidon Phthalimide Piperonyl butoxide Pirimicarb Pirimicarb-desmethyl-formamido Pirimicarb-p-desmetyl Pirimiphos-ethyl Pirimiphos-methyl Prochloraz Procymidone Profenofos Profluralin Promecarb Prometryn Propachlor Propanil Propargite Propazine Propetamphos Propham	

Fruits,Vegetables cont'ed	Propiconazole Propoxur Propyzamide Prosulfocarb Prothioconazole desthio Prothiofos Pyridaben Pyridaphenthion Pyrifenox-E Pyrifenox-Z Pyrimethanil Pyriproxyfen Quintozene Quizalofop-ethyl Silthiofam Simazine Spiromesifen Spiroxamine Sum Sulfotep Sulprofos Tebuconazole Tebufenpyrad Tecnazene Teflubenzuron Tefluthrin Terbufos Terbufos sulfone Terbufos sulfoxide Terbumeton Terbuthylazine Terbutryn Tetrachlorvinphos Tetraconazole Tetradifon Tetrahydrophthalimide (THPI) Tetramethrin Tolclofos-methyl Tolyfluanid Transfluthrin Triadimefon Triadimenol Triallate Triazamate Triazophos Trichloronate Trifloxystrobin Trifluralin Uniconazole Vinclozolin Zoxamide	Based on EN 15662:2008

Grains,legumes ,cereals	*****Determination of pesticides residues. Acetochlor Aclonifen Acrinathrin Alachlor Aldrin Ametryne Anthraquinone Atrazine Azoxystrobin Benalaxyl Benfluralin BHC, Alpha BHC, Beta BHC, delta BHC, gamma (Lindane) Bifenazate Bifenox Bifenthrin Biphenyl Bitertanol Boscalid Bromacil Bromophos-ethyl Bromophos-methyl (Bromophos) Bromopropylate Bromuconazole Bupirimate Butachlor Butafenacil Butralin Cadusafos Carbaryl Carbofuran Carbophenothion Carbophenothion methyl Carboxin Chlorantraniliprole Chlorbufam Chlordane alpha-cis Chlordane gamma-trans Chlorfenapyr Chlorfenprop-methyl Chlorfenson Chlorfenvinphos Sum Chlorobenzilate	GC-MS/MS ME TH 02171/4/28-07-2022

Grains,legumes ,cereals cont'ed	Chloroneb Chlortoluron Chlorpropham Chlorpyriphos Ethyl Chlorpyrifos-methyl Chlorthal-dimethyl (Dacthal) Chlorthion Chlozolinate Clethodim Clodinafop-propargyl Clofentezine Clomazone Cloquintocet mexyl Coumaphos Cyanazine Cyanofenphos Cyanophos Cyfluthrin Sum Cyhalofop butyl Cyhalothrin I (lambda) Cypermethrin Sum Cyproconazole Cyprodinil DDD p,p DDD, o, p DDE o,p DDE p, p DDT o,p DDT p,p DEET Deltamethrin Demeton-O Demeton-S Desmetryn Diafenthiuron Diazinon Dichlobenil Dichlofenthion Dichloran Dichlorvos Diclofluanid Diclofop methyl Dicofol Dieldrin Diethofencarb Difenoconazole Sum Diflufenican Diniconazole Dioxabenzofos Diphenyl sulfide	

Grains,legumes ,cereals cont'ed	Diphenylamine Dipropetryn Disulfoton sulfoxide Ditalimfos Endosulfan a Endosulfan b Endosulfan sulfate Endrin EPN Epoxiconazole EPTC Esfenvalerate Etaconazole Sum Ethalfluralin Ethion Ethofumesate Ethoprop (Ethoprophos) Etofenprox Etridiazole (Terrazole) Etrimfos Famoxadone Fenamidone Fenamiphos Fenarimol Fenazaquin Fenbuconazol Fenchlorfos Fenfluthrin Fenitrothion Fenobucarb Fenpiclonil Fenpropimorph Fenson Fensulfothion Fenthion Fenvalerate Fipronil Fipronil-desulfinyl Fipronil-sulfon Flonicamid Fluazifop-P-butyl Fluchloralin Flucythrinate Fludioxonil Fluensulfone Flufenacet Flufenacet ESA (metabol.) Flumetralin Fluopicolide Fluopyram	

Grains,legumes ,cereals cont'ed	Fluotrimazole Fluquinconazole Flurprimidol Flusilazole Flutolanil Flutriafol Fluvalinate Sum Fluxapyroxad Fonofos Formetanate HCl Furalaxyl Halfenprox Haloxyfop-ethyl Haloxyfop-methyl Heptachlor Heptachlor epoxide Heptachlor epoxide cis-exo Heptachlor epoxide Trans-Endo Heptenophos Hexachlorobenzene Hexaconazole Hexazinone Imazalil Iodofenphos Iprobenfos Iprovalicarb Isazophos Isocarbophos Isodrin Isofenphos Isofenphos-methyl Isoprothiolane Kresoxim-methyl Lenacil Leptophos Malathion Mecarbam Mefenpyr-diethyl Mepanipyrim Mepronil Metalaxyl Metazachlor Methabenzthiazuron Methacrifos Methamidophos Methoprotryne Metolachlor Metrafenone Metribuzin Mirex	

	Molinate (Ordram) Myclobutanil Napropamide Nitralin Nitrofen Nitrothal-isopropyl Norflurazon Nuarimol Ofurace Ortho-phenylphenol Oxadiazon Oxadixyl Oxyfluorfen Paclobutrazol Parathion Ethyl Parathion-methyl Pebulate Penconazole Pencycuron Pendimethalin Pentachloroaniline Pentachloroanisole Permethrin Perthane (Ethylan) Phenkapton Phenthoate Phorate Phosalone Phosphamidon	
Grains,legumes ,cereals cont'ed	Phthalimide Piperonyl butoxide Pirimicarb Pirimicarb-desmethyl-formamido Pirimicarb-p-desmetyl Pirimiphos-ethyl Pirimiphos-methyl Prochloraz Procymidone Profenofos Profluralin Promecarb Prometryn Propachlor Propanil Propargite Propazine Propetamphos Propham Propiconazole Propoxur	

Grains,legumes ,cereals cont'ed	Propyzamide Prosulfocarb Prothioconazole desthio Prothiofos Pyridaben Pyridaphenthion Pyrifenox-E Pyrifenox-Z Pyrimethanil Pyriproxyfen Quintozene Quizalofop-ethyl Quinalphos Silthiofam Simazine Spiromesifen Spiroxamine Sum Sulfotep Sulprofos Tebufenpyrad Tecnazene Teflubenzuron Tefluthrin Terbacil Terbufos Terbufos sulfone Terbufos sulfoxide Terbumeton Terbuthylazine Terbutryn Tetrachlorvinphos Tetraconazole Tetradifon Tetrahydrophthalimide (THPI) Tetramethrin Tetrasul Tolclofos-methyl Transfluthrin Triadimefon Triadimenol Triallate Triazamate Triazophos Trichloronate Trifloxystrobin Trifluralin Uniconazole Vinclozolin Zoxamide	

Dried fruits, nuts with shell, grains-flour	*****Determination of toxins AflatoxinB1, AflatoxinB2, AflatoxinG1, AflatoxinG2, DAS, T-2, DON, ZON, HT2	In-house based on • Journal of Chromatography A,1143(2007),48-64 Simultaneous determination of multi-component mycotoxin contaminants in foods and feeds by ultra-performance Liquid Chromatography tandem mass spectrometry • Application brief of Romer Labs • Journal of AOAC International,Vol93,No.5,2010 , Rapid determination of Fumonisins in corn-based products by Liquid Chromatography/Tandem Mass Spectrometry LC-MS/MS ME TH 02 181
Dried fruits, nuts with shell grain-flour	Ochratoxin	
Grain-flour ,animal feed (compound feed)	Fumonisins FB1	
Milk and milk products	** Moisture,Ash, Protein,Fat	Modified Based on AOACL 920.115, AOAC 945.46, AOACL 989.05, AOACL 948.48.991.20
Potable Water, Surface Water, Swimming pool Water and Waste Water	Alkalinity	Modified based on APHA[1] 2320-Alkalinity:2022 Titration
	Ammonia	Modified based on APHA[1] 4500-NH3-F:2022 UV
	Chlorides	Modified based on APHA[1] 4500 B-Cl:2022 Titration
	Electrical Conductivity	ISO 7888:1985
	Nitrate	Modified based on APHA[1] 4500-NO3-B:2022 UV

	Nitrite	Modified based on APHA[1] 4500-NO_2:2022 UV
	pH	ISO 10523:2008
	Sodium	Modified based on APHA[1] 3120 A, B-:2022
	Sulphate	Modified based on APHA[1] 4500 E-SO_4:2022 UV
	*Total Hardness	By calculation Modified Based on APHA 2340 B:2022
	*Determination of Ca, Mg, K, Na, Fe, Cu, Zn, Mn, Al, Ba, P, Sr, Sn, B, Si, Ti, Hg,As, Pb, Cd, Ni, Co, Cr, V, Be, Se, Sb, Mo, Tl	Modified based on APHA[1] 3125:2022 ICP-MS
Drinking Water Swimming Pool Water Borehole Water Wastewater Surface Water	***TDS (Total Dissolved Solids)	Modified Based on APHA[1]2540 D Total Dissolved Solids Dried at 180°C
	***Determination of Total Nitrogen	Modified Based on HACH-LANGE LCK 138, 238 UV
	***Determination of Turbidity (KIT)	Modified Based on APHA[1]2130B
	***Determination of Carbonate, Bicarbonate, Phenolphthalein Alkalinity	Modified based on APHA[1] 2320-Alkalinity (by calculation)
	***Determination of Ammonium Nitrogen (Ammonia and Ammonium)	Modified Based on APHA[1] 4500-NH_3, UV
	***Determination Silica -SiO_2, Determination of Phosphates – PO_4, P_2O_5	Modified based on APHA[1]3125:2022 (by calculation) ICP-MS
	***Determination of Fluorides	Modified Based on HACH-LANGE LCK 323 UV
	***Determination of TOC	Modified Based on HACH-LANGE LCK 385 UV
	***Determination of Free and Total Chlorine (KIT)	Modified Based on APHA[1] 410.C
Potable Water, Surface Waterand Waste Water	BOD5	Modified based on APHA[1] 5210D:2022
	COD	ISO 15705:2002

	FOG (Fat, Oil, and Grease)	Modified based on APHA[1] 5520:2022
	Total Kjeldahl Nitrogen	Modified based on APHA[1] 4500-Norganic:2022
	Total Phosphorus	BS EN ISO 6878:2004 UV
	Total Suspended Solids	Modified based on APHA[1] 2540D:2022
Drinking Water Borehole Water Surface Water	***Determination of Oxidisability	Modified Based on EN ISO 8467 Titration
Plastic Materials and Articles in Contact with Foodstuffs	Overall Migration Into Fatty Food Simulants in Alternative Simulants: 95% Ethanol andIso-Octane	EN 1186-14:2002
	Overall Migration Into Aqueous Food Simulants by Article Filling	EN 1186-9:2002
	Overall Migration Into Aqueous Food Simulants by the Cell Metho	EN 1186-5:2002
	Overall Migration Into Aqueous Food Simulants by Total Immersio	EN 1186-3:2002
	Overall Migration into Fatty Simular D1 (Ethanol 50%) by Total Immersion, Article Filling and Cell Methods	EN 1186-14:2002
Feed and feed products	*Determination of moisture *Determination of ash *Determination of crude fibers. *Determination of fat content (Soxhlet). *Determination of protein (Kjeldahl)	Modified Based on EU Regulation 152/2009 Modified based on AOAC 984.13, ISO1871:2009 Modified based on Weende method
Soil	Calcium Carbonate ($CaCO_3$)	Meth 02 04 -In-house Method Based on: - Soil and Plant Analysis Laboratory Manual 2001, J.Ryan, G.Estehan, A.Rashid Titration
Soil cont'd	*****Determination of Ca,Mg,K	In-house method based on the Method of Soil Analysis 1982, American Society of Agronomy p.559-581, Ammonium acetate extraction APHA[1],3125A ICP-MS

	*****Determination of Zn,Fe,Mn,Cu	In-house method based on the Method of Soil Analysis 1982,American Society of Agronomy p.559-581 DTPA extraction APHA[1],3125A ICP-MS
	***** Determination of Phosphorus	In-house method based on the Olsen Method with sodium hydrogen carbonat extraction APHA[1],3125 A,B ICP-MS
	*****Determination of Boron	In-house method based on the Method of Soil Analysis 1982,American Society of Agronomy ,Inc,Soil Science Society Calcium chloride extraction APHA[1] 2022,3125A ICP-MS
	***** Determination of Nitrates	In-house method based on the Method of Soil Analysis 1996 Part 3:Chemical Methods p.1130,1155 Potassium chloride extraction UV
Soil Sludge Sediment	*****Determination of Ammoniacal Nitrogen	In-house method based on APHA[1] 4500-NH_3 F . Potassium chloride extraction
	*****Determination of pH	Amended based on ISO 10390:2021
	*****Determination of Conductivity	Amended based on ISO 11262:1994
	*****Determination of Organic Carbon	Amended Walkley and Black method . Methods of Soil Analysis 1996,Soil Science Society of America book series:5,Part 3-Chemical Methods p.995 UV

Soil Sludge Sediment	*****Determination of Total Nitrogen	In-house method based on FOSS Application Subnote 3313
	*****Determination of Heavy Metals (Cr,As,Cd,Cu,Hg,Ni,Pb,Zn)	In-house method based on APHA[1] 3125 A,B . Microwave digestion ICP-MS
Cosmetics	*****Determination of Heavy Metals (Sb,As,Cd,Co,Pb,Ni,Hg,Cr)	Based on ISO 17276:2014
Gypsum and gypsum products	*Determination of free water, combined water, Sulfur trioxide *Determination of gypsum, anhydrite	Modified Based on ASTM C 471M-01 By calculation Modified Based on ASTM C 471M-01

[1] American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2022

Authorized persons to sign test reports are:Dr Dora Koraki and Ms Cleopatra Charalambous.

Materials / Products	Type of testing / Countable properties	Methods / Techniques	
Microbiological Testing			**Opinion and Interpretation**
Food and Animal Feeding Products	Horizontal method for the enumeration of presumptive Bacillus cereus (Colony Count at 30°C)	ISO 7932:2004	Yes-Food
	Enterobacteriaceae	ISO 21528-2:2022	Yes-Food
	Coliform (Colony Count)	ISO 4832:2006	Yes-Food
	Escherichia coli (beta glucuronidase Positive)	ISO 16649-2:2001	Yes-Food
	Listeria monocytogenes	ISO 11290-2:2022	Yes-Food
	Staphylococcus (Coagulase Positive)	++ ISO 6888-1:2021	Yes-Food
	Total Viable Count at 30°C	EN ISO 4833-1:2013	Yes-Food
	Listeria monocytogenes (Detection)	ISO 11290-1:2022	Yes-Food
	Salmonella spp. (Detection except S.typhi and S.paratyphi)	ISO 6579-1:2022	Yes-Food
	*Detection of Listeria spp	ISO 11290-1:2022	Yes-Food
	*Enumeration of Campylobacter spp	ISO 10272-2 : 2022	Yes-Food
	*Detection of potentially enteropathogenic Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus	ISO 21872-1 : 2022	Yes-Food
	*Enumeration of sulfite-reducin bacteria/Clostridia growing under anaerobic conditions.	ISO 15213: 2003	Yes-Food

Materials / Products	Type of testing / Countable properties	Methods / Techniques	
			*****Opinion and Interpretation
	***Enumeration of Mesophilic lactic acid bacteria – Colony-count technique at 30°C	ISO 15214:1998	Yes-Food
	***Enumeration of Clostridium perfringens – Colony-count technique	ISO 7937:2004	Yes-Food
Environmental Samples and Animal Feces	Salmonella spp. (Detection except S.Typhi and S.Paratyphi)	ISO 6579-1:2022	
Food	Yeast and Molds	AOAC 997.02	Yes
Indoor Air	Total Viable Count	In-House method METH 01 30 (Based on BS ISO 16000-17:2008)	Yes
	Yeast and Molds	In-House method METH 01 29 (Based on BS ISO 16000-17:2008)	Yes
	Sampling	In-House method METH 01 28 (Based on BS ISO 16000-18:2011)	
Surface-swabbing	*Horizontal methods for surface sampling of food chain	ISO 18593 : 2018	Yes
Potable Water, Surface Water, Swimming pool Wat Sea water and Waste Water	Clostridium perfringens	ISO 14189:2013	Yes
	Coliforms (Horizontal Method)	APHA[1] 9222B:2022	Yes
	Culturable Microorganisms (Colony Count)	EN ISO 6222:1999	Yes
	Escherichia coli	APHA[1] 9222H:2022	Yes
	Legionella	ISO 11731:2022	Yes
	Faecal Coliform	APHA[1] 9222D:2022	Yes
	Intestinal Enterococci	EN ISO 7899-2:2000	Yes
	Pseudomonas aeruginosa	EN ISO 16266:2008	Yes

Materials / Products	Type of testing / Countable properties	Methods / Techniques	
			*****Opinion and Interpretation
	Staphylococcus aureus	APHA[1] 9213B:2022	Yes
	*Detection of Salmonella spp	ISO 19250:2010	Yes
Potable Water, Surface Water, Swimming pool Water and Sea Water	Escherichia coli	EN ISO 9308-1:2014	Yes
	Total coliforms	EN ISO 9308-1:2014	Yes
Cosmetics	***Detection of Escherichia coli	ISO 21150:2015	
	***Detection of Pseudomonas aeruginosa	ISO 22717:2015	
	***Detection of Staphylococcus aureus	ISO 22718:2015	
	***Detection of Candida albicans	ISO 18416:2015	
	***Enumeration of Yeast and Mould	ISO 16212:2022 (Pour plate technique)	
	***Enumeration of aerobic mesophilic bacteria	ISO 21149:2022 (Pour plate technique)	
	***Detection of specified and nonspecified microorganisms	ISO 18415:2022	

[1] American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 24th Edition, 2022

Authorized persons to sign test reports are : Dr Dora Koraki and Ms Zena Christofi .
Authorized person to express opinion and interpretation is Dr Dora Koraki

Materials /Products tested	Types of test/Properties measured	Applied methods/ Techniques used
Biological Testing		
Food Raw materials and processed Food	Detection and quantification of Almond protein	METH 03 01 In-house Method Based on: BS EN 15633-1:2019/ELISA -Veratox for Almond allergen (Neogen, 8440) ELISA
Food Raw materials and processed Food	Detection and quantification of Gluten/Gliadin protein	METH 03 06 In-house Method Based on: +BS EN 15633-1:2019/ELISA - Veratox for Gliadin R5 allergen (Neogen, 8510) ELISA
Food Raw materials and processed Food	Detection and quantification of Hazelnut protein	METH 03 02 In-house Method Based on: +BS EN 15633-1:2019/ELISA -Veratox for - Hazelnut allergen (Neogen, 8420) ELISA
Food Raw materials and processed Food	Detection and quantification of Peanut protein	METH 03 04 In-house Method Based on: +BS EN 15633-1:2019/ELISA - Veratox for Peanut allergen (Neogen, 8430) ELISA
Food Raw materials and processed Food	Detection and quantification of Total Milk Protein	METH 03 03 In-house Method Based on: -BS EN 15633-1:2019/ELISA - Veratox for Total milk allergen (Neogen, 8470) ELISA
	*****Detection and Quantification of soy	METH 03 07 In-house method based on: -BS EN 15633-I:2019/ELISA –Veratox for Soy allergen, Neogen,8410 ELISA

Materials /Products tested	Types of test/Properties measured	Applied methods/ Techniques used
Food Raw materials and processed Food cont'd	*****Detection and Quantification of egg	METH 03 09 In-house method based on: -BS EN 15633-I:2019/ELISA –Veratox for Egg allergen, Neogen,8450 ELISA
	*****Detection and Quantification of sesame	METH 0312 In-house method based on: -BS EN 15633-I:2019/ELISA –R7202 Ridascreen Fast Sesame allergen ELISA
	*****Detection and Quantification of mustard	METH 0313 In-house method based on: -BS EN 15633-I:2019/ELISA –R6152Ridascreen Fast Mustard allergen ELISA
	*****Detection and Quantification of almond	METH 03 08 In-house method based on: -BS EN 15633-I:2019/ELISA –R 6901 Ridascreen Fast Almond allergen ELISA
	*****Detection and Quantification of Crustacea	METH 03 10 In-house method based on: -BS EN 15633-I:2019/ELISA –Veratox for Crustacea allergen, Neogen,8520 ELISA
	*****Detection and Quantification of Macadamia	METH 03 11 In-house method based on: -BS EN 15633-I:2019/ELISA –Eurofins Sensispec ELISA Macadamia nut Allergen ELISA
Milk and Milk Products	Aflatoxin M1	METH 03 05 In-house Method Based on: BS EN ISO 14675:2003/ELISA -Veratox for Aflatoxin M1 (Neogen, 8019) ELISA

Authorized persons to sign test reports are : Dr Dora Koraki and Ms Zena Christofi

This Annex refers only to tests carried out in the premises of the Laboratory, Address : 44 Kilkis Street, Latsia, Nicosia, Cyprus