Hellenic Accreditation System



Annex F1/14 to Certificate No. **909**-4

SCOPE of ACCREDITATION

of the Testing Laboratory

QLAB Private Company,

Research, Analytical & Quality Control Laboratory

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
Chemical Tests			
l. Water potable, ground, surface, swimming pool water and wastewater	l. Determination of pH	In house Method based on APHA*4500-H+ Lab Code: OE 2001	A
	2. Determination of Electrical Conductivity	In house Method based on APHA*2510 B+ Lab Code: OE 2002	A
	3. Determination of Chlorides	In house Method based on APHA*4500-Cl B Lab Code: OE 2010	A
	4. Determination of Total Suspended Solids	In house Method based on APHA*2540 D Lab Code: OE 3009	B
	5. Determination of colour	In house Method based on ISO 7887:2011 METHOD C Lab Code: OE 2003	A
	6. Determination of turbidity	In house Method based on ISO 7027-1:2016 Lab Code: OE 2006	A
	7. Determination of residual chlorine	In house Method based on APHA 4500-Cl G(lat.ed) Lab Code: OE 2007	A
2. Water potable, ground and surface	1. Determination of Ammonium	In house Method based on APHA* 4500-NH_3- (Nessler method) Lab Code: OE 2017	B

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	2. Determination of Nitrates	In house Method based on APHA*4500-NO_3 B Ultraviolet Spectrophotometric Screening Method (batch testing method) Lab Code: OE 2015	B
	3. Determination of Nitrites	In house Method based on APHA* 4500-NO_2 B Lab Code: OE 2016	B
	4. Determination of Fluorides	In house Method based on HACH Method 8029 (SPADNS method) Lab Code: OE 2011	A
	5. Determination of Total Hardness	In house Method based on APHA* 2340 C Lab Code: OE 2018	A
	6. Determination of Chromium-VI	Based on HACH LCS 313 Lab Code: OE 2048	A
	7. Determination of Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Zn, Mg, Na, K, P, Sn, U	In house Method based on ISO 1 7294-1:2006 & ISO 17294-2:2016, APHA 3125 ICP-MS Lab Code: OE 2800	A
3. Water potable and swimming pool water	1. Determination of Carbonate Alkalinity and Bicarbonate alkalinity	In house Method based on APHA*2320 B Lab Code: OE 2028	A
4. Water potable	1. Determination of Nitrates	Based on HACH LCK339 Lab Code: OE 3014	A
	2. Determination of odor	In house Method based on APHA 2150B, Standard Methods, (lat. ed.) & EN 1622:2006 (apart from ANNEX C) Lab Code: OE 2004	A
	3. Determination of taste	In house Method based on APHA 2160B, Standard Methods, (lat. ed.) & EN 1622:2006 (apart from ANNEX C) Lab Code: OE 2005	A
5. Water and wastewater	l. Determination of Orthophosphates	In house Method based on APHA*4500-P E Lab Code: OE 2034	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	2. Determination of Sulphates	In house Method based on APHA*4500-SO_4 E (turbidimetric) Lab Code: OE 2012	A
	3. Determination of total Nitrogen	HACH LCK 138 and HACH LCK 238 Lab Code: OE 3063	A
	4. Determination of total Phosphorous	HACH LCK 348 and HACH LCK 349 Lab Code: OE 3014	A
6. Wastewater	1. Determination of Chromium-VI	Based on HACH LCK 313 Lab Code: OE 3032	A
7. Wastewater	1. Determination of Nitrogen Nitrate, N-N03	Based on HACH LCK339 Lab Code: OE 3014	A
	2. Determination of Nitrogen Nitrite, N-N02	In house Method based on APHA* 4500 NO2 B Lab Code: OE 2016	B
	3. Determination of Ammonium Nitrogen N-NH4	In house Method based on APHA* 4500 NH3 F Lab Code: OE 2017	B
	4. Determination of Total Organic Carbon (TOC)	HACH LCK 385 Lab Code: OE 2080	A
	5. Determination of total solids (TS)	In house Method based on APHA* 2540 Lab Code: OE 3047	B
8. Wastewater	l. Determination of BOD_5	In house Method based on APHA*5210 D Lab Code: OE 3007	A
	2. Determination of COD	In house Method based on APHA*5220 D (closed reflux, colorimetric) and HACH LCK 314 & 514 Lab Code: OE 3008	A
9. Wastewater	l. Determination of As, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Zn, Hg, P, Be, Sn, Ti, Ag	In house Method based on ISO 17294-1:2006 & ISO 17294-2:2016, APHA 3125 ICP-MS Lab Code: OE 2800	A
10. Drinking water, groundwater and surface water	1. Determination of pesticide residues: Acetochlor, Alachlor, Atrazine, Azinphos-ethyl, Bromfenvinfos-methyl, Bromfenvinphos, Bromophos, Bromophos-ethyl, Bromopropylate, Bupirimate, Carfentrazone-ethyl, Chlorfenson, Chlorfenvinphos, Chlorobenzilate, Chlorothalonil, Chlorpropham, Chlorpyrifos,	In house method based on EPA 525.3 methodology GC-MS/MS Lab Code: OE 8051	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Chlorpyrifos-methyl, Chlorthal-dimethyl, Chlozolinate, Clomazone, Cyprodinil, 4,4'-Dichlorobenzophenone, Dieldrin, Dimethachlor, Diphenamid, Endosulfan alpha, Endosulfan beta, Endosulfan ether, Endrin aldehyde, Endrin ketone, Ethion, Fenarimol, Fenchlorphos, Fenitrothion, Fenson, Fipronil, Fluazifop-P-butyl, Fluchloralin, Fluquinconazole, Flusilazole, Flutolanil, Flutriafol, HCH-beta, HCH-delta, HCH-gamma, Heptachlor-exo-epoxide, Iodofenphos, Isazofos, Malathion, Metalaxyl, Metazachlor, 2,4'-Methoxychlor, Methoxychlor, 4,4'-Methoxychlor olefin, Metolachlor, Mevinphos, MGK 264, Myclobutanil, Nitralin, Nitrofen, Oxadiazon, Paclobutrazol, Parathion, Parathion-methyl, Penconazole, Pendimethalin, Pentachloroaniline, Piperonyl butoxide, Pirimiphos ethyl, Pirimiphos-methyl, Pretilachlor, Procymidone, Prodiamine, Profluralin, Propachlor, Propisochlor, Propyzamide, Pyrazophos, Pyridaphenthion, Pyrimethanil, Pyriproxyfen, Quinalphos, Tebuconazole, Tebufenpyrad, Terbacil, Terbuthylazine, Tetradifon, Tetramethrin, THPI (Tetrahydrophthalimide), Tolclofos-methyl, Triadimefon, Triadimenol, Triallate, Triflumizole, Vinclozolin		
11. Food and Feed	l. Determination of Moisture & Volatiles	In house Method Lab Code: OE 6401	B
	2. Determination of Crude Ash	In house Method Lab Code: OE 6402	B
	3. Determination of Fat	In house Method Lab Code: OE 6403	B
	4. Determination of Protein	In house Method Lab Code: OE 6404	B
	5. Determination of Cd, Cu, Mn, Mo, Ni, Se, Zn, As, Pb, Hg, Na, Sn, Fe, K, Ca, Mg, P	In house Method based on ISO 17294-1:2006 & ISO 17294-2:2016, US Food and Drug Administration ICP-MS Lab Code: OE 5501	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
12. Olive oils, kernel oils, vegetable oils and fats	1. Determination of Free Fatty Acids	Based on Implementing Regulation (EU) 2022/2105 ANNEX I COI/T.20/Doc. αριθ. 34 Lab Code: OE 6201	B
	2. Determination of Peroxides Index	Based on Implementing Regulation (EU) 2022/2105 ANNEX I COI/T.20/Doc. αριθ. 35 Lab Code: OE 6202	B
	3. Determination of extinction coefficient K (232 nm & 268 nm) and specific extinction ΔK	Based on Implementing Regulation (EU) 2022/2105 ANNEX I COI/T.20/Doc. αριθ. 35 Lab Code: OE 6203	B
13a. Fruits and vegetables with high water content	Determination of plant protection product residues: Acetamiprid, Acetochlor, Alachlor, Aldicarb sulfoxide, Aldoxycarb (Aldicarb Sulfone), Ametoctradin, Ametryne (Ametrex), Amidosulfuron, Aminocarb, Atrazine, Azaconazole, Azamethiphos, Azinphos-ethyl, Azoxystrobin, Beflubutamid, Benalaxyl, Benazolin-ethyl, Bendiocarb, Bensulfuron-methyl, Benzoximate, Bitertanol, Boscalid, Bromuconazole, Bupirimate, Buprofezin, Butachlor (Machete), Butralin (Sutralin), Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-Hydroxy, Carboxin, Carfentrazone-ethyl, Chlorantraniliprole, Chlorfenvinphos, Chloridazon, Chloroxuron, Chlorpyrifos, Chlorsulfuron, Chlortoluron, Chromafenozide, Cinosulfuron, Clethodim-sulfone, Clofentezine, Clomazone, Clothianidin, Coumaphos, Coumoxystrobin, Cyantraniliprole, Cyazofamid, Cycloate, Cyclosulfamuron, Cycloxydim, Cycluron, Cyflufenamid, Cyflumetofen, Cyproconazole(I), Cyprodinil, DEET, Demeton-S-methyl, Demeton-S-methylsulfone, Demeton-S-methylsulfoxide, Demeton-S-sulfone, Demeton-S-	Based on ΕΛΟΤ EN 15662 & SANTE/11312/2021 LC-QTOF Lab Code: OE 6540	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	sulfoxide, Diazinon, Dicrotophos (Bidrin), Diethofencarb, 2-Diethylaminoethyl hexanoate, Difenconazole, Diflubenzuron, Diflufenican, Dimepiperate, Dimethachlor, Dimethenamid (SAN 582H), Dimethoate, Dimethomorph(E), Dimoxystrobin, Diniconazole, Dinotefuran, Dioxacarb, Disulfoton (Ethylthiometon), Disulfoton-sulfone, Disulfoton-sulfoxide, Diuron, EDPP Edifenphos, Epoxiconazole, Ethidimuron, Ethiprole, Ethirimol, Ethofumesate, Ethoprop, Ethoxysulfuron, Etofenprox, Etoxazole, Etrimfos, Fenamidone, Fenamiphos, Fenamiphos-sulfone, Fenamiphos-sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenobucarb, Fenothiocarb, Fenoxanil, Fenoxaprop-ethyl, Fenoxycarb, Fenpropidin, Fenpropimorph (Ro 14-3169), Fenpyrazamine, Fenpyroximate, Fensulfothion, Fensulfothion oxon, Fensulfothion oxon sulfone, Fensulfothion sulfone, Fenthion-sulfone, Fenthion-sulfoxide, Fenuron, Flonicamid, Fluazifop-butyl, Flubendiamide, Flufenacet, Flufenoxuron, Flumorph, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl, Fluoxastrobin, Fluquinconazole, Flurtamone, Flusilazol, Flutolanil, Flutriafol, Forchlorfenuron, Fosthiazate, Fuberidazole, Furathiocarb, Halofenozide, Halosulfuron-methyl, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Imazalil, Imidacloprid, Imidaclothiz, Indoxacarb, Ipconazole, Iprobenfos, Iprovalicarb, Isocarbophos, Isofenphos methyl, Isoprocarb, Isoprothiolane, Isoproturon, Isoxaben, Kresoxim-methyl, Lenacil, Linuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet (Rancho), Mepanipyrim, Mepronil,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Mesosulfuron-methyl, Metaflumizone, Metalaxyl, Metamifop, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methidathion, Methiocarb, Methiocarb sulfone, Methiocarb sulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metolachlor,S-, Metolcarb, Metrafenone, Metribuzin, Metsulfuron-methyl, Mevinphos, Molinate, Monocrotophos (Azodrin), Myclobutanil, Napropamide, Nitenpyram, Omethoate, Oxadiazon, Oxadixyl, Oxamyl, Oxasulfuron, Oxaziclomefone, Paclobutrazol, Penconazole, Pencycuron, Pendimethalin, Penflufen, Penoxsulam (Penoxalim), Penthiopyrad, Phenmedipham, Phenthoate, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosfolan (Cyolane) (Cylan), Phosfolan-methyl, Phosmet (Imidan), Phosmet oxon (Imidoxon), Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimicarb-desmethyl-formamido, Pirimiphos-methyl, Pretilachlor, Prochloraz, Prochloraz Metabolite BTS44595, Prochloraz Metabolite BTS44596, Procymidone, Profenofos, Promecarb, Prometon, Prometryn, Propachlor, Propamocarb, Propaquizafop, Propetamphos, Propiconazole, Propisochlor, Propoxur, Propyzamide, Proquinazid, Prosulfocarb, Pyracarbolid, Pyraclostrobin, Pyraflufen-ethyl, Pyraoxystrobin, Pyrazosulfuron ethyl, Pyrethrin I, Pyridaben, Pyridafenthion, Pyriftalid, Pyrimethanil, Pyriproxyfen, Quinalphos (Diethquinalphione), Quinmerac, Quinoclamine, Quinoxyfen, Quizalofop-ethyl, Rotenone, Secbumeton, Silthiofam, Simazine, Simetryn, Spinetoram, Spinosyn A,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Spinosyn D, Spirodiclofen, Spiromesifen, Spirotetramat, Spirotetramat-keto-hydroxy, Spirotetramat-mono-hydroxy, Spiroxamine, Sulfentrazone, Sulfotep, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Temephos, Tepraloxydim, Terbufos, Terbufos-sulfone, Terbufos-sulfoxide, Terbuthylazine (TERBA), Tetraconazole, Thiacloprid, Thiamethoxam, Thidiazuron, Thifensulfuron-methyl, Thiodicarb, Thiophanate-methyl, Tifatol, Tolfenpyrad, Tralkoxydim, Triadimefon, Triadimenol, Triasulfuron, Triazophos, Tribenuron-methyl, Trichlorfon (Dylox) (DEP), Tricyclazole, Trietazine, Trifloxystrobin, Triflumizole, Triflumizole-amino, Triflumuron, Triflusulfuron-methyl, 2,3,5-Trimethacarb, Triticonazole, Uniconazole-P, Vamidothion, Zoxamide		
13b. High fat content products of plant origin	Determination of plant protection product residues: Acetamiprid, Acetochlor, Alachlor, Albendazole, Aldicarb sulfoxide, Aldoxycarb (Aldicarb Sulfone), Ametoctradin, Ametryne (Ametrex), Amidosulfuron, Aminocarb, Anilofos, Atrazine, Azaconazole, Azamethiphos, Azinphos-ethyl, Azoxystrobin, Beflubutamid, Benalaxyl, Benazolin-ethyl, Bendiocarb, Bensulfuron-methyl, Benzoximate, Bifenazate, Bioresmethrin (Isatrin), Bitertanol, Boscalid, Bromuconazole, Bupirimate, Buprofezin**,** Butachlor (Machete), Butralin (Sutralin), Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-Hydroxy,Carboxin, Carfentrazone-ethyl, Chlorantraniliprole, Chlordimeform, Chlorfenvinphos, Chloridazon, Chlorimuron-ethyl, Chlorobenzuron, Chloroxuron, Chlortoluron, Chromafenozide,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Cinosulfuron, Clethodim**,** Clethodim-sulfone, Clomazone, Clothianidin, Coumaphos**,** Coumoxystrobin, Cyanazine (Fortrol), Cyantraniliprole, Cyazofamid, Cycloate, Cyclosulfamuron, Cycloxydim, Cycluron**,** Cyflufenamid, Cyflumetofen, Cyproconazole, Cyprodinil, DEET**,** Demeton-S-methyl, Demeton-S-methylsulfone, Demeton-S-methylsulfoxide, Demeton-S-sulfone, Demeton-S-sulfoxide, Desmedipham**,** Diazinon**,** Dicrotophos (Bidrin), 2-Diethylaminoethyl hexanoate, Diethofencarb, Difenconazole, Diflubenzuron, Diflufenican**,** Dimepiperate, Dimethachlor**,** Dimethenamid (SAN 582H), Dimethoate, Dimethomorph(E), Dimoxystrobin, Diniconazole, Dinotefuran, Disulfoton (Ethylthiometon), Disulfoton-sulfone, Disulfoton-sulfoxide, Diuron, EDPP Edifenphos, Epoxiconazole, Ethidimuron, Ethion, Ethiprole, Ethirimol, Ethoprop**,** Ethoxysulfuron, Etoxazole, Etrimfos, Fenamidone, Fenamiphos**,** Fenamiphos-sulfone, Fenamiphos-sulfoxide, Fenarimol, Fenazaquin, Fenhexamid, Fenobucarb, Fenothiocarb, Fenoxanil, Fenoxaprop-ethyl, Fenoxycarb, Fenpropidin**,** Fenpropimorph (Ro 14-3169), Fenpyrazamine, Fenpyroximate**,** Fensulfothion, Fensulfothion oxon, Fensulfothion oxon sulfone, Fensulfothion sulfone, Fenthion-sulfone, Fenthion-sulfoxide, Fenuron, Flazasulfuron**,** Florasulam, Fluazifop-butyl, Flubendiamide, Fludioxonil, Flufenacet, Flufenoxuron, Flumorph, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl, Fluoxastrobin, Fluquinconazole, Flurtamone, Flusilazol, Flutolanil, Flutriafol, Forchlorfenuron, Fosthiazate, Fuberidazole,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Furathiocarb, Halosulfuron-methyl, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Hydramethylnon, Imazalil, Imibenconazole, Imidacloprid, Imidaclothiz, Indoxacarb, Ipconazole, Iprobenfos, Iprovalicarb, Isocarbophos, Isofenphos methyl, Isoprothiolane, Isoproturon, Isoxaben, Kresoxim-methyl, Linuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet (Rancho), Mepanipyrim, Mepronil, Mesosulfuron-methyl, Metaflumizone, Metalaxyl, Metamifop, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methamidophos, Methidathion, Methiocarb, Methiocarb sulfone, Methiocarb sulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metolcarb, Metrafenone, Metribuzin, Metsulfuron-methyl, Mevinphos, Mexacarbate, Molinate, Monocrotophos (Azodrin), Myclobutanil, Napropamide, Nitenpyram, Omethoate, Oxadixyl, Oxasulfuron, Oxaziclomefone, Paclobutrazol, Penconazole, Pencycuron, Pendimethalin, Penflufen, Penoxsulam (Penoxalim), Penthiopyrad, Phenmedipham, Phenthoate, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosfolan (Cyolane) (Cylan), Phosfolan-methyl, Phosmet (Imidan), Phosmet oxon (Imidoxon), Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimicarb-desmethyl-formamido, Pirimiphos-methyl, Pretilachlor, Probenazole, Prochloraz**,** Prochloraz Metabolite BTS44595, Prochloraz Metabolite BTS44596, Profenofos, Promecarb, Prometon**,** Prometryn, Propachlor, Propamocarb, Propaquizafop, Propetamphos, Propiconazole, Propisochlor, Propoxur,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Propyzamide, Proquinazid, Prosulfocarb, Pyracarbolid, Pyraclostrobin**,** Pyraflufen-ethyl, Pyraoxystrobin, Pyrazosulfuron ethyl, Pyrethrin I, Pyridaben**,** Pyridafenthion, Pyridate**,** Pyriftalid, Pyrimethanil, Pyriproxyfen, Quinalphos (Diethquinalphione), Quinmerac, Quinoxyfen**,** Quizalofop-ethyl, Rimsulfuron, Rotenone, Secbumeton, Silthiofam**,** Simazine, Simetryn, Spinetoram, Spinosyn A, Spinosyn D, Spirotetramat**,** Spirotetramat-keto-hydroxy, Spirotetramat-mono-hydroxy, Spiroxamine, Sulfentrazone**,** Sulfotep, Sulfoxaflor, Tebuconazole, Tebufenpyrad, Tebuthiuron, Temephos, Tepraloxydim, Terbufos**,** Terbufos-sulfone, Terbufos-sulfoxide, Terbuthylazine (TERBA), Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thidiazuron, Thiodicarb**,** Thiophanate-methyl, Tolfenpyrad, Tralkoxydim, Triadimefon, Triadimenol, Triasulfuron, Triazophos, Tribenuron-methyl, Trichlorfon (Dylox) (DEP), Tricyclazole, Trietazine, Trifloxystrobin, Triflumizole, Triflumizole-amino, Triflumuron, Triflusulfuron-methyl, 2,3,5-Trimethacarb, Triticonazole, Uniconazole-P, Vamidothion, Zoxamide		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
13c. Cereals and legumes	Determination of plant protection product residues: Acetamiprid, Acetochlor, Alachlor, Albendazole, Aldicarb sulfoxide, Aldoxycarb (Aldicarb Sulfone), Ametoctradin, Ametryne (Ametrex), Amidosulfuron, Aminocarb, Anilofos, Atrazine, Azaconazole, Azamethiphos, Azinphos-ethyl, Azoxystrobin, Beflubutamid, Benalaxyl, Benazolin-ethyl, Bendiocarb, Bensulfuron-methyl, Benzoximate, Bitertanol, Boscalid, Bromuconazole, Bupirimate, Buprofezin, Butachlor (Machete), Butralin (Sutralin), Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-Hydroxy Carboxin, Carfentrazone-ethyl, Chlorantraniliprole, Chlordimeform, Chlorfenvinphos, Chloridazon, Chlorimuron-ethyl, Chlorobenzuron, Chloroxuron, Chlorsulfuron, Chlortoluron, Chromafenozide, Cinosulfuron, Clethodim, Clethodim-sulfone, Clomazone, Clothianidin, Coumaphos, Coumoxystrobin, Cyanazine (Fortrol), Cyantraniliprole, Cyazofamid, Cyclosulfamuron, Cycloxydim, Cycluron, Cyflufenamid, Cyflumetofen, Cyproconazole, Cyprodinil, DEET, Demeton-S-methyl, Demeton-S-methylsulfone, Demeton-S-methylsulfoxide, Demeton-S-sulfone, Demeton-S-sulfoxide, Desmedipham, , Diazinon, Dicrotophos (Bidrin), Diethofencarb, 2-Diethylaminoethyl hexanoate, Difenconazole, Diflubenzuron, Diflufenican, Dimepiperate, Dimethachlor, Dimethenamid (SAN 582H), Dimethoate, Dimethomorph(E), Dimoxystrobin, Diniconazole, Dinotefuran, Dioxacarb, Disulfoton (Ethylthiometon), Disulfoton-sulfone, Disulfoton-sulfoxide, Diuron, EDPP Edifenphos, Epoxiconazole, Ethidimuron, Ethiprole, Ethirimol, Ethoprop, Ethoxysulfuron, Etofenprox, Etoxazole, Etrimfos, Fenamidone, Fenamiphos, Fenamiphos-sulfone, Fenamiphos-sulfoxide, Fenarimol,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Fenbuconazole, Fenhexamid, Fenobucarb, Fenothiocarb, Fenoxanil, Fenoxaprop-ethyl, Fenoxycarb, Fenpropidin, Fenpropimorph (Ro 14-3169), Fenpyrazamine, Fenpyroximate, Fensulfothion, Fensulfothion oxon, Fensulfothion oxon sulfone, Fensulfothion sulfone, Fenthion-sulfone, Fenthion-sulfoxide, Fenuron, Flazasulfuron, Flonicamid, Florasulam, Fluazifop-butyl, Flubendiamide, Fludioxonil, Flufenacet, Flumetsulam, Flumorph, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl, Fluoxastrobin, Fluquinconazole, Flurtamone, Flusilazol, Fluthiacet-methyl, Flutolanil, Flutriafol, Forchlorfenuron, Fosthiazate, Fuberidazole, Furathiocarb, Halofenozide, Halosulfuron-methyl, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Hydramethylnon, Imazalil, Imibenconazole, Imidacloprid, Imidaclothiz, Indoxacarb, Ipconazole, Iprobenfos, Iprovalicarb, Isocarbophos, Isofenphos methyl, Isoprocarb, Isoprothiolane, Isoproturon, Isoxaben, Kresoxim-methyl, Lenacil, Linuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet (Rancho), Mepanipyrim, Mepronil, Mesosulfuron-methyl, Metaflumizone, Metalaxyl, Metamifop, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methamidophos, Methidathion, Methiocarb, Methiocarb sulfone, Methiocarb sulfoxide, Methomyl, Methoprotryne, Metobromuron, Metolachlor, Metolachlor-S, Metolcarb, Metrafenone, Metribuzin, Metsulfuron-methyl, Mexacarbate, Molinate, Monocrotophos (Azodrin), Myclobutanil, Napropamide, Nicosulfuron, Nitenpyram, Omethoate, Oxadixyl, Oxamyl, Oxasulfuron, Oxaziclomefone, Paclobutrazol, Penconazole, Pencycuron, Pendimethalin, Penflufen, Penoxsulam (Penoxalim), Penthiopyrad,		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Phenmedipham, Phenthoate, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosfolan (Cyolane) (Cylan), Phosfolan-methyl, ~~Phosmet,~~ Phosmet (Imidan), Phosmet oxon (Imidoxon), Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl Pirimicarb-desmethyl-formamido, Pirimiphos-methyl, Pretilachlor, Prochloraz, Prochloraz Metabolite BTS44595, Prochloraz Metabolite BTS44596, Procymidone, Profenofos, Promecarb, Prometon, Prometryn, Propachlor, Propamocarb, Propaquizafop, Propetamphos, Propiconazole, Propisochlor, Propyzamide, Prosulfocarb, Pyracarbolid, Pyraclostrobin, Pyraflufen-ethyl, Pyraoxystrobin, Pyrazosulfuron ethyl, Pyrethrin I, Pyridafenthion, Pyridalyl, Pyriftalid, Pyrimethanil, Pyriproxyfen, ~~Quinalphos,~~ Quinalphos (Diethquinalphione), Quinmerac, Quinoclamine, Quizalofop-ethyl, Rimsulfuron, Rotenone, Secbumeton, Silthiofam, Simazine, Simetryn, Spinetoram, Spinosyn A, Spinosyn D, Spiromesifen, Spirotetramat-keto-hydroxy, Spirotetramat-mono-hydroxy, Spiroxamine, Sulfentrazone, Sulfotep, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Temephos, Tepraloxydim, Terbufos, Terbufos-sulfone, Terbufos-sulfoxide, Terbuthylazine (TERBA), Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thidiazuron, Thifensulfuron-methyl, Thiophanate-methyl, Tolfenpyrad, Tralkoxydim, Triadimefon, Triadimenol, Triasulfuron, Triazophos, Tribenuron-methyl, Trichlorfon (Dylox) (DEP), Tricyclazole, Trietazine, Trifloxystrobin, Triflumizole, Triflumizole-amino, Triflumuron, Triflusulfuron-methyl, 2,3,5-Trimethacarb, Triticonazole, Uniconazole-P, Vamidothion, Zoxamide		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
14a. Fruits and vegetables with high water content	Determination of plant protection product residues: Acetochlor, Acrinathrin, Alachlor, Aldrin, Allethrin-3,4 (Bioallethrin), Allidochlor, Atrazine, Benfluralin, BHC-alpha, BHC-beta, BHC-delta, BHC-gamma (Lindane), Bifenthrin, Biphenyl, Bromfenvinfos-methyl, Bromfenvinphos, Bromophos, Bromophos-ethyl, Bupirimate, Carbophenothion, Chlorbenside, Chlordane-trans, Chlorfenapyr, Chlorfenson, Chlorfenvinphos (2 isomers), Chlorthiophos (3 isomers), Clomazone, Cycloate, Cyfluthrin (4 isomers), Cyhalothrin-lambda, Cypermethrin (4 isomers), Cyprodinil, DDD-o,p', DDD-p,p', DDE-o,p', DDE-p,p', DDT-o,p', Di-allate-cis, Di-allate-trans, Dichlobenil, Ethylan (Perthane), 4,4'-Dichlorobenzophenone, Dicloran, Dieldrin, Dimethachlor, Diphenamid, Disulfoton, Edifenphos, Endosulfan ether, Endosulfan sulfate, Endosulfan-alpha, Endosulfan-beta, Ethalfluralin, Etofenprox, Etridiazole, Fenamiphos, Fenarimol, Fenchlorphos, Fenson, Fenthion, Fenvalerate (2 isomers), Fipronil, Fluchloralin, Flucythrinate (2 isomers), Fludioxonil, Flusilazole, Flutolanil, Flutriafol, Fonofos, Heptachlor, Heptachlor-exo-epoxide, Hexachlorobenzene, Hexazinone, Iodofenphos, Iprodione, Isodrin, Isopropalin, Leptophos, Linuron, Malathion, Metazachlor, Methacrifos, 4,4'-Methoxychlor olefin, Metolachlor, Mevinphos (2 isomers), MGK-264 (2 isomers), Myclobutanil, N-(2,4-dimethylphenyl) formamide, Nonachlor-cis, Nonachlor-trans, Norflurazon, Paclobutrazol, Parathion, Parathion-methyl, Pebulate, Penconazole, Pendimethalin, Pentachloroaniline, Pentachloroanisole, Pentachlorobenzene, Pentachlorobenzonitrile,	Based on ΕΛΟΤ EN 15662 & SANTE/11312/2021 GC-MS/MS Lab Code: OE 8050	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Pentachlorothioanisole, Permethrine-cis, Permethrine-trans, Phenothrin-2, Phorate, Piperonyl butoxide, Procymidone, Prodiamine, Profenofos, Profluralin, Propachlor, Propanil, Propargite (2 isomers), Propisochlor, Propyzamide, Prothiofos, Pyrimethanil, Pyriproxyfen, Quintozene, Sulfotep, Sulprofos, tau-Fluvalinate (2 isomers), Tebuconazole, Tecnazene, Tefluthrin, Terbacil, Terbufos, Terbuthylazine, Tetrachlorvinphos, Tetradifon, Tetramethrin (2 isomers), THPI , Tolclofos-methyl, Transfluthrin, Triadimefon, Triadimenol, Tri-allate, Triazophos, Tricyclazole, Triflumizole, Trifluralin, Vinclozolin		
14b. High fat content products of plant origin	Determination of plant protection product residues: Acetochlor, Acrinathrin, Alachlor, Allethrin-3,4 (Bioallethrin), Allidochlor, Anthraquinone, Atrazine, Azinphos-ethyl, Azinphos-methyl, Benfluralin, BHC-alpha, Bifenthrin, Biphenyl, Bromfenvinfos-methyl, Bromfenvinphos, Bromophos-ethyl, Bupirimate, Carfentrazone-ethyl, Chlorbenside, Chlordane-cis, Chlordane-trans, Chlorfenapyr, Chlorfenvinphos (2 isomers), Chlorothalonil, Chlorpyrifos-methyl, Chlorthal-dimethyl, Chlorthiophos-2, Chlozolinate, Clomazone, Coumaphos, Cycloate, Cyfluthrin (4 isomers), Cyhalothrin-lambda, Cypermethrin (3 isomers), Cyprodinil, DDD-o,p', DDD-p,p', DDT-o,p', Deltamethrin-2, Di-allate-cis, Di-allate-trans, Diazinon, Dichlobenil, Dichlofluanid, Ethylan (Perthane), 4,4'-Dichlorobenzophenone, Dicloran, Dieldrin, Dimethachlor, Diphenamid, Disulfoton, Edifenphos, Endosulfan sulfate, Endosulfan-alpha, EPN, Ethalfluralin, Ethion, Etofenprox, Fenamiphos, Fenarimol, Fenchlorphos, Fenitrothion, Fenpropathrin, Fenson, Fenthion, Fenvalerate (2 isomers), Fipronil, Fluazifop-P-butyl, Fluchloralin, Flucythrinate (2		A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	isomers), Fludioxonil, Fluquinconazole, Fluridone, Flusilazole, Flutolanil, Flutriafol, Fonofos, Heptachlor-exo-epoxide, Hexazinone, Iprodione, Isazofos, Leptophos, Linuron, Malathion, Metalaxyl, Metazachlor, Methacrifos, Methoxychlor, 4,4'-Methoxychlor olefin, Metolachlor, Mevinphos (2 isomers), MGK-264 (2 isomers), Myclobutanil, N-(2,4-dimethylphenyl) formamide, Nitralin, Nonachlor-cis, Nonachlor-trans, Norflurazon, Oxadiazon, Oxyfluorfen, Paclobutrazol, Parathion, Parathion-methyl, Penconazole, Pentachloroaniline, Pentachlorobenzonitrile, Permethrine-cis, Phenothrin-2, Phorate, Phosalone, Phosmet, Piperonyl butoxide, Pirimiphos ethyl, Pirimiphos-methyl, Pretilachlor, Procymidone, Prodiamine, Profenofos, Profluralin, Propachlor, Propanil, Propargite (2 isomers), Propisochlor, Propyzamide, Prothiofos, Pyraclofos, Pyrazophos, Pyridaphenthion, Quinalphos, Quintozene, Resmethrin-2 , Sulfotep, tau-Fluvalinate (2 isomers), Tebuconazole, Tecnazene, Terbacil, Terbufos, Terbuthylazine, 2,3,5,6-Tetrachloroaniline, Tetrachlorvinphos, Tetramethrin (2 isomers), THPI , Tolclofos-methyl, Tolylfluanid, Triadimefon, Triadimenol, Triazophos, Tricyclazole, Triflumizole, Trifluralin, Vinclozolin		

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
14c. Cereals and legumes	Determination of plant protection product residues: Acetochlor, Acrinathrin, Alachlor, Allethrin-3,4 (Bioallethrin), Allidochlor, Anthraquinone, Atrazine, Azinphos-ethyl, Benfluralin, BHC-alpha, BHC-beta, BHC-delta, BHC-gamma, Bifenthrin, Biphenyl, Bromfenvinfos-methyl, Bromfenvinphos, Bromophos, Bromophos-ethyl, Bromopropylate, Bupirimate, Carbophenothion, Carfentrazone-ethyl, Chlordane-cis, Chlordane-trans, Chlorfenapyr, Chlorfenson, Chlorfenvinphos (2 isomers), Chlorobenzilate, Chlorpropham, Chlorpyrifos, Chlorpyrifos-methyl, Chlorthal-dimethyl, Chlorthiophos (3 isomers), Chlozolinate, Clomazone, Coumaphos, Cycloate, Cyfluthrin (4 isomers), Cyhalothrin-lambda, Cypermethrin (4 isomers), Cyprodinil, DDD-o,p', DDD-p,p', DDE-o,p', DDE-p,p', DDT-o,p', DDT-p,p', Di-allate-cis, Di-allate-trans, Diazinon, Dichlobenil, Ethylan (Perthane), 4,4'-Dichlorobenzophenone, Dicloran, Dieldrin, Dimethachlor, Diphenamid, Edifenphos, Endosulfan ether, Endosulfan sulfate, Endosulfan-alpha, Endosulfan-beta, Endrin, Endrin ketone, EPN, Ethalfluralin, Ethion, Etofenprox, Etridiazole, Fenamiphos, Fenarimol, Fenchlorphos, Fenitrothion, Fenson, Fenvalerate (2 isomers), Fipronil, Fluazifop-P-butyl, Fluchloralin, Flucythrinate (2 isomers), Fludioxonil, Fluquinconazole, Fluridone, Flusilazole, Flutolanil, Flutriafol, Fonofos, Heptachlor, Heptachlor-exo-epoxide, Hexachlorobenzene, Hexazinone, Iodofenphos, Iprodione, Isazofos, Isodrin, Isopropalin, Lenacil, Leptophos, Linuron, Malathion, Metalaxyl, Metazachlor, Methacrifos, Methoxychlor, 4,4'-Methoxychlor olefin, 2,4'-Methoxychlor, Metolachlor, Mevinphos-1, MGK-264 (2 isomers), Mirex, Myclobutanil, N-(2,4-dimethylphenyl) formamide, Nitralin,		A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	Nitrofen, Nonachlor-cis, Nonachlor-trans, Norflurazon, Oxadiazon, Oxyfluorfen, Paclobutrazol, Parathion, Parathion-methyl, Pebulate, Penconazole, Pendimethalin, Pentachloroaniline, Pentachloroanisole, Pentachlorobenzene, Pentachlorobenzonitrile, Pentachlorothioanisole, Permethrine-cis, Permethrine-trans, Phosmet, Pirimiphos ethyl, Pretilachlor, Procymidone, Prodiamine, Profenofos, Profluralin, Propachlor, Propanil, Propargite (2 isomers), Propisochlor, Propyzamide, Prothiofos, Pyrazophos, Pyridaben, Pyridaphenthion, Pyrimethanil, Quinalphos, Quintozene, Resmethrin-2 , Sulfotep, Sulprofos, tau-Fluvalinate (2 isomers), Tebuconazole, Tebufenpyrad, Tecnazene, Tefluthrin, Terbacil, Terbufos, Terbuthylazine, 2,3,5,6-Tetrachloroaniline, Tetrachlorvinphos, Tetradifon, Tetramethrin-1, THPI , Tolclofos-methyl, Transfluthrin, Triadimefon, Triadimenol, Tri-allate, Triazophos, Tricyclazole, Triflumizole, Trifluralin, Vinclozolin		
15. Cereal grains and their products	Determination of Mycotoxins: Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Deoxynivalenol, Zearalenone	In house method based on modified QuEChERS method / LC-QTOF / Method Code: OE 6541	A
16. Maize and its products	Determination of Mycotoxins: Fumonisine B1, Fumonisine B2	In house method based on Li et al. (2012) / LC-QTOF / Method Code: OE 6542	A
Microbiological Tests			
1. Water potable, ground, surface,	l. Enumeration of Total Coliforms & E. coli	ISO 9308-1: 2014 Lab Code: OE 4003	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
swimming pool water and treated waste water from treatment plant	2. Detection and enumeration of Intestinal Enlerococci	ISO 7899-2: 2000 Lab Code: OE 4005	A
	3. Enumeration of culturable microorganisms at 22 ± 2°C & 36 ± 2°C, pour plate method	ISO 6222: 1999 Lab Code: OE 4001	A
2. Potable water and swimming pool water	l. Detection and enumeration of Pseudomonas aeruginosa	ISO 16266:2006 Lab Code: OE 4007	A
3. Potable Water, cooling tower, process water, water from air washers' chambers, dental units water and other water with a high concentration of interfering	l. Enumeration of Legionella	ISO 11731: 2017 Lab Code: OE 4051	A
4. Sea water	1. Enumeration of Total Coliforms & E. coli	ISO 9308-1: 2014 Lab Code: OE 4003	A
	2. Detection and enumeration of Intestinal Enterococci	ISO 7899-2: 2000 Lab Code: OE 4005	A
5. Water (Potable, ground, surface, sea water), waste water	Detection and enumeration of Fecal coliforms	APHA 9222D Lab Code: OE 4009	A
6. Water (Potable, ground, surface)	Detection and enumeration of Cl. perfrigens (including spores)	ISO 14189:2013 Lab Code: OE 4008	A
7. Food and Feed	l. Enumeration of the total aerobic microorganisms at 30 ^{0}C	ISO 4833-1: 2013 Lab Code: OE 4012	A
	2. Enumeration of Enterobacteriaceae	ISO 21528-2: 2017 Lab Code: OE 4044	A
	3. Enumeration of Coliforms	ISO 4832: 2006 Lab Code: OE 4013	A
	4. Enumeration of ß-glucuronidase-positive E. coli	ISO 16649-2: 2001 Lab Code: OE 4014	A
	5. Detection of non typhi, non paratyphi Salmonella spp.	ISO 6579-1: 2017 Lab Code: OE 4033	A
	6. Detection of Listeria spp. and Listeria monocytogenes	ISO 11290-1: 2017 Lab Code: OE 4042	A
	7. Enumeration of Listeria spp. and Listeria monocytogenes	ISO 11290-2: 2017 Lab Code: OE 4043	A
	8. Enumeration of yeasts and moulds at 25 ^{0}C with a_w > 95 %	ISO 21527-1: 2008 Lab Code: OE 4021	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	9. Enumeration of yeasts and moulds at 25 ^{0}C with $a_w \leq 95$ %	ISO 21527-2: 2008 Lab Code: OE 4045	A
	10. Enumeration of coagulase-positive staphylococci	ISO 6888-2:2021 Lab Code: OE 4020	A
8. Sludge and Biowaste	1. Enumeration of E. coli	CEN/TR 16193: 2013 (method A) Lab Code: OE 4031	A
9. Environmental samples, animal faeces and samples from the primary production stage	1. Detection of non-typhi, non-paratyphi Salmonella spp.	ISO 6579-1:2017 Lab Code: OE 4033	A
10. Surface sample with sponge and swab	1. Enumeration of the total aerobic microorganisms at 30 ^{0}C	ISO 4833-1: 2013 Lab Code:OE 4012	A
	2. Enumeration of yeasts and moulds at 25 ^{0}C with $a_w \leq 95$ %	ISO 21527-2: 2008 Lab Code:OE 4045	A
	3. Enumeration of Enterobacteriaceae	ISO 21528-2: 2017 Lab Code:OE 4044	A
Biological Tests			
l. Water	l. Detection of Legionella	ISO/TS 12869: 2019 (PCR) Lab Code: OE 4052	A
2. Water, effluents, foodstuffs and animal feeding stuffs	1. Detection of Salmonella spp	Internal method by Real-Time PCR based on: StarPrep One Kit, Salmonella Detection Kit (Hygiena) according to DIN 10135:2013. Lab Code: OE 4050.	A
3. Soya: foodstuffs (beans,flour), feedstuffs (flour) 4. Maize: foodstuffs (grains,flour), feedstuffs (grains, flour)	1. Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter, FMV promoter and nopaline synthase terminator (NOS)	Internal method by Real-Time PCR based on: Foodproof GMO Screening I LyoKit and Foodproof Plant Detection LyoKit (Hygiena) and according to ISO 21569:2005, DNA extraction with Foodproof Sample preparation kit III. Lab Code: OE 5272.	A
	2. Screening method for genetically modified organisms (GMOs), by the detection of	Internal method by Real-Time PCR based on: Foodproof GMO Screening I LyoKit and	A

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
	genetic elements BAR, P-35S-pat and CTP2-CP4-EPSPS	Foodproof Plant Detection LyoKit (Hygiena) and according to ISO 21569:2005. DNA extraction with Foodproof Sample preparation kit III. Lab Code: OE 5273.	
	3. Detection of Cauliflower mosaic virus (CaMV)	Internal method by Real-Time PCR based on CaMV Detection Kit (Hygiena) DNA extraction with Foodproof Sample preparation kit III. Lab Code: OE 5274.	A
Immunochemical Tests			
l. Food	1. Detection of Sesame protein	Internal method based on ELISA kit "Sesame", Gold Standard Diagnostics and according to EN 15633-1:2019. Lab Code: OE 5245.	A
	2. Detection of Gliadin/Gluten	Internal method based on ELISA kit "Gliadin/Gluten", Gold Standard Diagnostics and according to EN 15633-1 2019. Lab Code: OE 5196.	A
	3. Detection of Milk protein	Internal method based on ELISA kit "Milk", Gold Standard Diagnostics and according to EN 15633-1:2019. Lab Code: OE 5224.	A
	4. Detection of Soy	Internal method based on ELISA kit "Soy", Gold Standard Diagnostics and according to EN 15633-1:2019. Lab Code: OE 5239.	A
Sampling			

Tested materials and products	Types of test / Properties to be measured	Applied standards / Techniques to be used	Location
l. Water potable, from piped distribution systems, ground, surface, marine water, swimming pool water and wastewater	Sampling for the testing of physicochemical and microbiological parameters	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-5: 2006 ISO 5667-6: 2014 ISO 5667-9:1992 ISO 5667-10:2020 ISO 5667-11: 2009 ISO 5667-14: 2014 ISO 19458: 2006	A

* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 24th Edition, 2023

Site of assessment: **Laboratory permanent premises**

A: 116 Konstantinou Karamanli Avenue, Postal Code 57008, Ionia, Thessaloniki
B: 122 Konstantinou Karamanli Avenue, Postal Code 57008, Ionia, Thessaloniki

Approved signatories: **Ioanna Dalla, Themistoklis Sfetsas and Vasiliki Tsioni**

This scope of Accreditation replaces the previous one, dated 29/01/2026.
The Accreditation Certificate **909**-4, according to ELOT EN ISO/IEC 17025:2017, is valid until 20/03/2027.

Athens, 12th of May 2026

Konstantinou Evangelos Apostolos
CEO of ESYD