HELLENIC ACCREDITATION SYSTEM

Annex F1/18 to the Certificate No.**713**-6

SCOPE of ACCREDITATION

of the

Testing Laboratory

of

Q & Q Analysis
SINGLE MEMBER P.C.

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	Chemical tests	
1.Fruits and Vegetables high water content (stone fruits, pome fruits, fruiting vegetables, citrus fruits, root-tuber vegetables, stem vegetables, small fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous (including tropic fruits, as referred to Regulations (EC)396/2005 and (EC)178/2006)	1. Determination of Plant Protection Pesticides Residues: 1-Naphthalene acetamide (1-NAD), Acephate, Acequinocyl, Acetamiprid, Acibenzolar-S-Methyl, Aclonifen, Alachlor, Aldicarb, Aldicarb sulfoxide, Aldicarb-sulfone (Aldoxycarb), Ametoctradin, Ametryn, Aminocarb, Amisulbrom, Amitraz, Anilazine, Anilofos, Atraton, Atrazine, Atrazine desethyl, Atrazine desisopropyl, Avermectin B1, Azaconazole, Azadirachtin, Azamethiphos, Azimsulfuron, Azinphos-ethyl, Azinphos-methyl, Aziprotryn, Azobenzene, Azoxystrobin, Benalaxyl, Benalaxyl-M, Bendiocarb, Benodanil, Bensulfuron-methyl, Benthiavalicarb isopropyl, Benzofenap, Benzoximate, Bifenox, Bitertanol, Boscalid (Nicobifen), Bromacil, Bromuconazole, Bupirimate, Buprofezin, Butachlor, Butocarboxim, Butocarboxim-Sulfoxide, Butoxycarboxim, Butralin, Buturon, Cadusafos, Carbaryl, Carbetamide, Carbofuran, Carbofuran 3-keto, Carbofuran-3-hydroxy, Carboxin, Carpropamide, Chlorantraniliprole, Chlorbromuron, Chlorimuron ethyl, Chlorotoluron, Chlorpyrifos, Chlorsulfuron, Cinidon-ethyl, Cinosulfuron, Clethodim, Clofentezine, Clomazone, Cloquintocet-mexyl, Clothianidin, Cyantraniliprole, Cyazofamid, Cycloxydim, Cyflufenamid, Cyflumetofen, Cymoxanil, Cyproconazole, Cyprodinil,	In House Method Coded as (TO-MX-43) using UHPLC-MS/MS*[4], which is based on the SANTE/11312/2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
1.Fruits and Vegetables high water content (stone fruits, pome fruits, fruiting vegetables, citrus fruits, root-tuber vegetables, stem vegetables, small fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous (including tropic fruits, as referred to Regulations (EC)396/2005 and (EC)178/2006) (continued)	Deltamethrin, Demeton-S-methyl, Demeton-S-methyl sulfone, Demeton-S-methyl sulfoxide (Oxydemeton-methyl), Desmedipham, Dichlorvos (DDVP), Diclobutrazol, Diclofop-methyl, Dicrotophos, Difenoconazole, Diflufenican, Dimethoate, Dimethomorph, Diniconazole, Diuron, DMSA, DMST, Dodemorph, Dodine, Emamectin B1a, Epoxiconazole, Etaconazole, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethirimol, Ethoprofos, Etofenprox, Etoxazole, Famoxadone, Fenamiphos, Fenbuconazole, Fenhexamid, Fenoxycarb, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Flazasulfuron, Flonicamid, Florasulam, Fluazifop-butyl, Fluazifop-P-butyl, Fluazinam, Flufenacet, Flumioxazin, Flupyradifurone, Flurochloridone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Forchlorfenuron, Formetanate (hydrochloride), Fosthiazate, Furathiocarb, Furmecyclox, Hexaconazole, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb, Iprovalicarb, Isofetamid, Isoprothiolane, Isopyrazam, Isoxathion, Kresoxim-methyl, Linuron, Lufenuron, Malathion, Mandipropamid, Mepanipyrim, Mephosfolan, Metaflumizone, Metalaxyl, Metalaxyl-M, Metamitron, Metconazole, Methamidophos, Methiocarb, Methiocarb sulfoxide, Methomyl, Methoxyfenozide, Metobromuron, Metoxuron, Metrafenone, Metribuzin, Milbemectin A3, Monocrotophos, Monolinuron, Myclobutanil, Nuarimol, Omethoate, Oxadixyl, Oxamyl, Oxathiapiprolin, Oxyfluorfen, Paclobutrazol, Penconazole, Pencycuron, Penoxsulam, Penthiopyrad, Phenmedipham, Phosmet, Phosphamidon, Picoxystrobin, Pirimicarb, Pirimicarb Desmethyl, Prochloraz, Profenofos, Propamocarb, Propaquizafop, Propiconazole, Propoxur (Arprocarb), Propyzamide, Proquinazid, Prosulfocarb, Pyraclostrobin, Pyraflufen Ethyl, Pyrethrin Cinerin 1, Pyrethrin Cinerin 2, Pyrethrin Jasmolin 1, Pyrethrin Jasmolin 2, Pyrethrins Pyrethrin 1, Pyrethrins Pyrethrin 2, Pyridaben, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyriproxyfen, Quizalofop P Ethyl, Quizalofop-P-tefuryl, Sethoxydim, Simazine, S-metolachlor, Spinetoram, Spinosyn A, Spinosyn D, Spirodiclofen, Spiromesifen, Spirotetramat, Spirotetramat Enol, Spirotetramat Enol Glucoside, Spirotetramat Keto-hydroxy, Spirotetramat Mono-hydroxy, Spiroxamine, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tetraconazole, Thiabendazole,	

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
1.Fruits and Vegetables high water content (stone fruits, pome fruits, fruiting vegetables, citrus fruits, root-tuber vegetables, stem vegetables, small fruits, pulses vegetables, brassica vegetables, bulb vegetables, leaf vegetables and fresh herbs, miscellaneous (including tropic fruits, as referred to Regulations (EC)396/2005 and (EC)178/2006) (continued)	Thiacloprid, Thiamethoxam, Thiodicarb, Thiofanox-sulfone, Thiofanox-sulfoxide, Thiometon, Thiometon-sulfone, Thiometon-sulfoxide, Thiophanate-methyl, Tolclofos-methyl, Triadimefon, Triadimenol, Tricyclazole, Tridemorph, Trifloxystrobin, Triflumizole, Valifenalate, Vamidothion, Vamidothion-sulfoxide, Vamidothion-sulfone, Zoxamide.	
	2. Determination of Acidic Plant Protection Pesticides Residues: 2,4-D, Acibenzolar acid, Bentazon, Dichlorprop, Fluazifop (free acid), Fluazifop-P (free acid), MCPA, Triclopyr, Quizalofop-P	In House Method Coded as (TO-MX-43) using UHPLC-MS/MS*[4], which is based on the SANTE/11312/2021
	3. Determination of Plant Protection Pesticides Residues: 1,4-Dimethylnaphthalene, 2,4-DDE, 2,4-DDT, 2-Phenylphenol, 4,4-DDD, 4,4-DDE, 4,4-DDT, Acetochlor, Acrinathrin, Aldrin, Allethrin, alpha-Endosulfan, alpha-HCH, Anthraquinone, beta-Endosulfan, beta-HCH, Biphenyl, Bromocyclen, Bromophos-ethyl, Bromophos-methyl, Bromopropylate, Carbophenothion, Chinomethionat, Chlorbenside, Chlorfenapyr, Chlorfenson, Chlorfenviphos, Chlorflurenol-methyl-ester, Chlormephos, Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorpropham, Chlorthal-dimethyl, Chlorthion, cis-Chlordane, Coumaphos, Cycloate, Cyfluthrin, Cypermethrin, delta-HCH, Desmetryn, Diazinon, Dichlobenil, Dicloran, Dicolof, Endosulfan-sulfate, Endrin, epsilon-HCH, Ethalfluralin, Etridiazole,Fenarimol, Fenchlorphos, Fenitrothion, Fenson, Fenvalerate (RR+SS), Fenvalerate (RS+SR), Fluchloralin, Fluorodifen, Fonofos, gamma-Cyhalothrin, lambda-Cyhalothrin, gamma-HCH, Heptachlor, Heptachlor-endo-epoxide, Heptachlor-exo-epoxide, Hexachlorobenzene,Isocarbophos, Isodrin, Isofenphos, Isofenphosmethyl, Isopropalin, Methacrifos, Methoxychlor, Mirex, Naled, Nitrofen, Nitrothal-isopropyl, Parathion-ethyl, Parathion-methyl, Pentachloroaniline, Pentachloroanisole, Procymidone, Propachlor, Propanil, Quintozene, tau-Fluvalinate, Tefluthrin, Tetradifon, trans-Chlordane, Transfluthrin, Triallate, Trifluralin, Vinclozolin	In House Method Coded as (TO-MX-45) using GC-MS/MS*[5], which is based on the SANTE/11312/2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
2. Products with a high fat content (greater than 5%) (olive oil, vegetable oils and fats, sesame oil seeds, soybeans, cottonseed, etc., various olives, avocados, and Nuts, etc.) (as referred to Regulations (EC)396/2005 and (EC)187/2006)	1. Determination of Plant Protection Pesticides Residues: 1-Naphthalene, acetamide, Acetamiprid, Aclonifen, Alachlor, Aldicarb, Aldicarb sulfoxide, Aldicarb-sulfone (Aldoxycarb), Ametoctradin, Ametryn, Aminocarb,Amisulbrom, Anilofos, Asulam, Atraton, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Azaconazole, Azamethiphos, Azimsulfuron, Azinphos-ethyl, Azinphos-methyl, Aziprotryn, Azoxystrobin, Benalaxyl, Benalaxyl-M, Bendiocarb, Benodanil, Bensulfuron-methyl, Bentazon, Benthiavalicarb isopropyl, Benzofenap, Benzoximate, Bifenazate, Boscalid (Nicobifen), Bromacil, Bromuconazole, Bupirimate, Buprofezin, Butachlor, Butocarboxim, Butocarboxim-Sulfoxide, Butoxycarboxim, Butralin, Buturon, Cadusafos, Carbaryl, Carbetamide, Carbofuran, Carbofuran 3-keto, Carbofuran-3-hydroxy, Carboxin, Carpropamide, Chlorantraniliprole, Chlorbromuron, Chlorimuron ethyl, Chlorotoluron, Chlorpyrifos, Chlorsulfuron, Cinidon-ethyl, Cinosulfuron, Clethodim, Clodinafop, Clofentezine, Clomazone, Cloquintocet-mexyl, Clothianidin, Cyantraniliprole, Cyazofamid, Cycloxydim, Cyflufenamid, Cyflumetofen, Cyproconazole, Cyprodinil, Deltamethrin, Demeton-S-methyl, Demeton-S-methyl sulfone, Demeton-S-methyl, Sulfoxide (Oxydemetonmethyl), Desmedipham, Dichlorvos (DDVP), Diclobutrazol, Diclofop-methyl, Dicrotophos, Difenoconazole, Diflufenican, Dimethoate, Dimethomorph, Diniconazole, Diuron, DMSA, DMST, Dodemorph, Epoxiconazole, Etaconazole, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethirimol, Ethoprofos, Etofenprox, Etoxazole, Famoxadone, Fenamiphos, Fenbuconazole, Fenhexamid, Fenoxycarb, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Flazasulfuron, Flonicamid, Florasulam, Fluazifop-butyl, Fluazifop-P-butyl, Fluazinam, Flufenacet, Flupyradifurone, Flurochloridone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Forchlorfenuron, Formetanate (hydrochloride), Fosthiazate, Furathiocarb, Furmecyclox, Hexaconazole, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb, Iprovalicarb, Isofetamid, Isoprothiolane, Isopyrazam, Isoxathion, Kresoxim-methyl, Linuron, Lufenuron, Malathion, Mandipropamid, Mephosfolan, Metaflumizone, Metalaxyl, Metalaxyl-M,	In House Method Coded as (TO-MX-43) using UHPLC-MS/MS*[4], which is based on the SANTE/11312/2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
2. Products with a high fat content (greater than 5%) (olive oil, vegetable oils and fats, sesame oil seeds, soybeans, cottonseed, etc., various olives, avocados, and Nuts, etc.) (as referred to Regulations (EC)396/2005 and (EC)187/2006) (continued)	Metamitron, Metconazole, Methamidophos, Methiocarb, Methiocarb sulfoxide, Methomyl, Methoxyfenozide, Metobromuron, Metoxuron, Metrafenone, Metribuzin, Monocrotophos, Monolinuron, Myclobutanil, Nuarimol, Omethoate, Oxadixyl, Oxathiapiprolin, Paclobutrazol, Penconazole, Penoxsulam, Penthiopyrad, Phenmedipham, Phosmet, Phosphamidon, Picoxystrobin, Pirimicarb, Pirimicarb Desmethyl, Prochloraz, Profenofos, Propamocarb free, Propaquizafop, Propiconazole, Propoxur (Arprocarb), Propyzamide, Proquinazid, Prosulfocarb, Pyraclostrobin, Pyraflufen Ethyl, Pyrethrins Cinerin 1, Pyrethrins Pyrethrin 1, Pyridaben, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyriproxyfen, Quizalofop P Ethyl, Quizalofop-P-tefuryl, Rimsulfuron, Sethoxydim, Simazine, S-metolachlor, Spinetoram, Spinosyn A, Spinosyn D, Spirodiclofen, Spirotetramat, Spirotetramat Keto - hydroxy, Spirotetramat Mono - hydroxy, Spiroxamine, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thiodicarb, Thiofanox-sulfone, Thiometon sulfone, Thiometon sulfoxide, Thiophanate-methyl, Tolylfluanid, Triadimefon, Triadimenol, Tricyclazole, Tridemorph, Trifloxystrobin, Triflumizole, Valifenalate, Vamidothion, Vamidothion sulfoxide, Vamidothion-sulfone, Zoxamide	
	2.Determination of Plant Protection Pesticides Residues: 1,4-Dimethylnaphthalene, 2,4-DDE, 2,4-DDT, 2-Phenylphenol, 4,4-DDD, 4,4-DDE, 4,4-DDT, Acetochlor, Acrinathrin, Aldrin, alpha-Endosulfan, alpha-HCH, beta-Endosulfan, beta-HCH, Bromocyclen, Bromophos-ethyl, Bromophos-methyl, Bromopropylate, Carbophenothion, Chlorbenside, Chlorfenapyr, Chlorfenson, Chlorfenviphos, Chlorflurenol-methyl-ester, Chlormephos, Chlorobenzilate, Chloroneb, Chlorpropham, Chlorthal-dimethyl, Chlorthion, cis-Chlordane, Coumaphos, Cycloate, Cyfluthrin, Cypermethrin, delta-HCH, Desmetryn, Diazinon, Dichlobenil, Dicolof, Endosulfan-sulfate, Endrin, epsilon-HCH, Ethalfluralin, Fenarimol, Fenchlorphos, Fenitrothion, Fenson, Fenvalerate (RR+SS), Fenvalerate (RS+SR), Fluchloralin, Fluorodifen, Fonofos, gamma-Cyhalothrin, lambda-Cyhalothrin, gamma-HCH, Heptachlor, Heptachlor-endo-epoxide, Heptachlor-exo-	In House Method Coded as (TO-MX-45) using GC-MS/MS*5, which is based on the SANTE/11312/2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
2. Products with a high fat content (greater than 5%) (olive oil, vegetable oils and fats, sesame oil seeds, soybeans, cottonseed, etc., various olives, avocados, and Nuts, etc.) (as referred to Regulations (EC)396/2005 and (EC)187/2006) (continued)	epoxide, Hexachlorobenzene,Isocarbophos, Isodrin, Isofenphos, Isofenphosmethyl, Isopropalin, Methacrifos, Methoxychlor, Mirex, Nitrofen, Nitrothal-isopropyl, Parathion-ethyl, Parathion-methyl, Pentachloroaniline, Pentachloroanisole, Procymidone, Propachlor, Quintozene, tau-Fluvalinate, Tefluthrin, Tetradifon, trans-Chlordane, Transfluthrin, Triallate, Trifluralin, Vinclozolin	
3. Products with high starch and/or protein content and low water and fat content, cereals (wheat, barley, dry maize, rice, oats, rye, etc.), legumes (beans, lentils, peas, etc. .a) (As referred to in Regulations EC 396/2005 and EC 178/2006)	1. Determination of Plant Protection Pesticides Residues: 1-Naphthalene acetamide (1-NAD), Acephate, Acetamiprid, Acibenzolar-S-Methyl, Aclonifen, Alachlor, Aldicarb, Aldicarb, sulfoxide, Aldicarb-sulfone (Aldoxycarb), Ametoctradin, Ametryn, Aminocarb, Amisulbrom, Anilofos, Asulam, Atraton, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Avermectin B1, Azaconazole, Azadirachtin, Azamethiphos, Azimsulfuron, Azinphos-ethyl, Azinphos-methyl, Aziprotryn, Azoxystrobin, Benalaxyl, Benalaxyl-M, Bendiocarb, Benodanil, Bensulfuron-methyl, Bentazon, Benthiavalicarb isopropyl, Benzofenap, Benzoximate, Bifenox, Bitertanol, Boscalid, (Nicobifen), Bromacil, Bromuconazole, Bupirimate, Buprofezin, Butachlor, Butocarboxim, Butocarboxim-Sulfoxide, Butoxycarboxim, Butralin, Buturon, Butylate, Cadusafos, Carbaryl, Carbetamide, Carbofuran, Carbofuran, 3-keto, Carbofuran-3-hydroxy, Carboxin, Carpropamide, Chlorantraniliprole, Chlorbromuron, Chlorimuron-ethyl, Chlorotoluron, Chlorpyrifos, Chlorsulfuron, Cinidon-ethyl, Cinosulfuron, Clethodim, Clodinafop, Clofentezine, Clomazone, Cloquintocet-mexyl, Clothianidin, Cyantraniliprole, Cyazofamid, Cycloxydim, Cyflufenamid, Cyflumetofen, Cymoxanil, Cyproconazole, Cyprodinil, Deltamethrin, Demeton-S-methyl, Demeton-S-methyl sulfone, Demeton-S-methyl sulfoxide (Oxydemeton-methyl), Desmedipham, Diclobutrazol, Diclofop-methyl, Dicrotophos, Difenoconazole, Diflufenican, Dimethoate, Dimethomorph, Diniconazole, Diuron, DMSA, DMST, Dodemorph, Dodine, Emamectin B1a, Epoxiconazole, Etaconazole, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethirimol, Ethoprofos, Etofenprox, Etoxazole, Famoxadone, Fenamiphos, Fenbuconazole, Fenhexamid, Fenoxycarb, Fenpropimorph,	In House Method Coded as (TO-MX-43) using UHPLC-MS/MS*4, which is based on the SANTE/11312/2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
3. Products with high starch and/or protein content and low water and fat content, cereals (wheat, barley, dry maize, rice, oats, rye, etc.), legumes (beans, lentils, peas, etc. .a) (As referred to in Regulations EC 396/2005 and EC 178/2006) (continued)	Fenpyrazamine, Fenpyroximate, Flazasulfuron, Flonicamid, Florasulam, Fluazifop-butyl, Fluazifop-P-butyl, Fluazinam, Flufenacet, Flumioxazin, Flupyradifurone, Flurochloridone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Forchlorfenuron, Formetanate (hydrochloride), Fosthiazate, Furathiocarb, Furmecyclox, Hexaconazole, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb, Iprovalicarb, Isofetamid, Isoprothiolane, Isopyrazam, Isoxathion, Kresoxim-methyl, Linuron, Lufenuron, Malathion, Mandipropamid, Mepanipyrim, Mephosfolan, Metaflumizone, Metalaxyl, Metalaxyl-M, Metamitron, Metconazole, Methamidophos, Methiocarb, Methiocarb sulfoxide, Methomyl, Methoxyfenozide, Metobromuron, Metoxuron, Metrafenone, Metribuzin, Milbemectin A3, Monocrotophos, Monolinuron, Myclobutanil, Nuarimol, Omethoate, Oxadixyl, Oxamyl, Oxathiapiprolin, Oxyfluorfen, Paclobutrazol, Penconazole, Pencycuron, Penoxsulam, Penthiopyrad, Phenmedipham, Phosmet, Phosphamidon, Picoxystrobin, Pirimicarb, Pirimicarb Desmethyl, Prochloraz, Profenofos, Propamocarb free, Propaquizafop, Propiconazole, Propoxur (Arprocarb), Propyzamide, Proquinazid, Prosulfocarb, Pymetrozine, Pyraclostrobin, Pyraflufen Ethyl, Pyrethrins Cinerin 1, Pyrethrins Jasmolin 1, Pyrethrins Pyrethrin 1, Pyrethrins Pyrethrin 2, Pyridaben, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyriproxyfen, Quizalofop-P-Ethyl, Quizalofop-P-tefuryl, Rimsulfuron, Sethoxydim, Simazine, S-metolachlor, Spinetoram, Spinosyn A, Spinosyn D, Spirodiclofen, Spiromesifen, Spirotetramat, Spirotetramat-enol, Spirotetramat-enol-glucoside, Spirotetramat-Keto-hydroxy, Spirotetramat-Mono-hydroxy, Spiroxamine, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thiofanox-sulfone, Thiofanox-sulfoxide, Thiometon, Thiometon- sulfone, Thiometon-sulfoxide, Thiophanate-methyl, Tolclofos methyl, Triadimefon, Triadimenol, Tricyclazole, Tridemorph, Trifloxystrobin, Triflumizole, Valifenalate, Vamidothion, Vamidothion-sulfoxide, Vamidothion-sulfone, Zoxamide	
3. Products with high starch and/or protein content and low water and fat content, cereals (wheat, barley, dry maize, rice, oats, rye,	2.Determination of Plant Protection Pesticides Residues: 1,4-Dimethylnaphthalene, 2,4-DDE, 2,4-DDT, 2-Phenylphenol, 4,4-DDD, 4,4-DDE, 4,4-DDT,	In House Method Coded as (TO-MX-45) using GC-MS/MS*5, which is based on the SANTE/11312/2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
etc.), legumes (beans, lentils, peas, etc.) (As referred to in Regulations EC 396/2005 and EC 178/2006) (continued)	Acetochlor, Acrinathrin, Aldrin, Allethrin, alpha-Endosulfan, alpha-HCH, Anthraquinone, Azobenzene, beta-Endosulfan, beta-HCH, Biphenyl, Bromocyclen, Bromophos-ethyl, Bromophos-methyl, Bromopropylate, Carbophenothion, Chinomethionat, Chlorbenside, Chlorfenapyr, Chlorfenson, Chlorfenviphos, Chlorflurenol-methyl-ester, Chlormephos, Chlorobenzilate, Chloroneb, Chlorpropham, Chlorthaldimethyl, Chlorthion, cis-Chlordane, Coumaphos, Cycloate, Cyfluthrin, Cypermethrin, delta-HCH, Desmetryn, Diazinon, Dichlobenil, Dicloran, Dicolof, Endosulfan-sulfate, Endrin, epsilon-HCH, Ethalfluralin, Etridiazole, Fenarimol, Fenchlorphos, Fenitrothion, Fenson, Fenvalerate (RR+SS), Fenvalerate (RS+SR), Fluchloralin, Fluorodifen, Fonofos, gamma-Cyhalothrin, lambda-Cyhalothrin, gamma-HCH, Heptachlor, Heptachlorendo-epoxide, Heptachlorexo-epoxide, Hexachlorobenzene,Isocarbophos, Isodrin, Isofenphos, Isofenphosmethyl, Isopropalin, Methacrifos, Methoxychlor, Mirex, Nitrofen, Nitrothalisopropyl, Parathion-ethyl, Parathion-methyl, Pentachloroaniline, Pentachloroanisole, Procymidone, Propachlor, Propanil, Quintozene, tau-Fluvalinate, Tefluthrin, Tetradifon, trans-Chlordane, Transfluthrin, Triallate, Trifluralin, Vinclozolin	
4. Water (water for human consumption, surface water and groundwater and sea water)	1. Determination of pH#	In House Method Coded as (TO-MX-01) based on APHA*1 4500-H^+B
	2. Determination of Conductivity#	In House Method Coded as (TO-MX-02) based on APHA*1 2510-B
5. Water (water for human consumption, surface water and groundwater)	1. Determination of Nitrates (NO_3^-)#	In House Method Coded as (TO-MX-03) based on APHA*1 4500-NO_3-B (screening method)
	2. Determination of Chlorides (Cl^-)#	In House Method Coded as (TO-MX-04) based on APHA*1 4500-Cl-B
5. Water (water for human consumption, surface water and groundwater) (continued)	3. Determination of Sulfates (SO_4^{2-})#	In House Method Coded as (TO-MX-11)
	4. Determination of Nitrites (NO_2^-)#	In House Method Coded as (TO-MX-12)
	5. Determination of Ammonium (NH_4^+)#	In House Method Coded as (TO-MX-13)
	6. Determination of Fluorides (F^-)#	In House Method Coded as

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
		(TO-MX-14)
	7. Determination of Ortho-Phosphates (PO_4^{3-}) and P_2O_5[#]	In House Method Coded as (TO-MX-15)
	8. Determination of Turbidity[#]	ISO 7027:2016
	9. Determination of Apparent Colour[#]	In House Method Coded as (TO-MX-24) based on APHA[*1] 2120C
	10. Determination of Free Chlorine[#]	In House Method Coded as (TO-MX-22)
	11. Determination of Total Chlorine[#]	In House Method Coded as (TO-MX-11)
	12. Determination of Biochemical Oxygen Demand BOD_5	In House Method Coded as TO-MX-37 based on APHA*[1] 5210 D
	13. Determination of total and dissolved elements: (Sodium, Potassium, Calcium, Magnesium, Silicon, Silver, Aluminum, Boron, Barium, Beryllium, Cadmium, Cobalt, Tin, Chromium, Copper, Iron, Lithium, Manganese, Nickel, Lead, Strontium, Thallium, Zinc, Molybdenum, Vanadium)[#]	In House Methods Coded as TO-MX-35 & TO-MX-36 with ICP*[3]
	14. Determination of hexavalent chromium	In House Methods Coded as (TO-MX-42)
	15. Determination of total hardness	In House Methods Coded as (TO-MX-44)
6. Water (water for human consumption, surface water and groundwater, intended or not for human consumption Swimming pool water, Hemodialysis water) 6. Water (water for human consumption, surface water and groundwater, intended or not for human consumption Swimming pool water, Hemodialysis	1. Determination of total and dissolved elements: (Arsenic, Selenium, Mercury, Antimony, Aluminum, Boron, Barium, Beryllium, Cadmium, Cobalt, Tin, Chromium, Copper, Iron, Lithium, Manganese, Nickel, Uranium, Lead, Strontium, Thallium, Zinc, Molybdenum, Vanadium)[#]	In House Methods Coded as TO-MX-58 with ICP-MS*[3]
	2. Determination of Permanganate Index (Oxidisability)[#]	In House Method Coded as (TO-MX-51)
	3. Determination of total and composite alkalinity, carbonate (CO_3^{2-}) and bicarbonate (HCO^{3-}) ions and carbonate hardness	In House Method Coded as (TO-MX-55)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
water) (continued)		
7. Industrial and domestic wastewaters	1. Determination of pH	In House Method Coded as (TO-MX-01) based on APHA*1 4500-H^+B
	2. Determination of Conductivity	In House Method Coded as (TO-MX-02) based on APHA*1 2510-B
	3. Determination of Chemical Oxygen Demand (COD)	In House Method Coded as (TO-MX-42)
	4. Determination of Chlorides (Cl^-)	In House Method Coded as (TO-MX-04) based on APHA*1 4500-Cl-B
	5. Determination of Total Dissolved Solids (TDS)	In House Method Coded as (TO-MX-06) based on APHA*1 2540 C
	6. Determination of the Total Suspended Solids (TSS)	In House Method Coded as (TO-MX-05) based on APHA*1 2540 D
	7. Determination of Total Phosphorous (TP)	In House Method Coded as (TO-MX-16)
	8. Determination of Total Nitrogen (TN)	In House Method Coded as (TO-MX-17)
	9. Determination of Ammonium ion (N-NH_4^+)	In House Method Coded as (TO-MX-18)
	10. Determination of Biochemical Oxygen Demand BOD_5	In House Method Coded as TO-MX-37 based on APHA*1 5210 D
	11. Determination of total and dissolved elements: (Sodium, Potassium, Calcium, Magnesium, Silicon, Silver, Aluminum, Boron, Barium, Beryllium, Cadmium, Cobalt, Tin, Chromium, Copper, Iron, Lithium, Manganese, Nickel, Lead, Strontium, Thallium, Zinc, Molybdenum, Vanadium)	In House Methods Coded as TO-MX-35 & TO-MX-36 with ICP*3
7. Industrial and domestic wastewaters (continued)	12. Determination of total and dissolved elements: (Arsenic, Selenium, Mercury, Antimony, Silver, Aluminum, Boron, Barium, Beryllium, Cadmium, Cobalt, Tin, Chromium, Copper, Iron, Lithium, Manganese, Nickel, Lead, Uranium, Strontium,	In House Method Coded as TO-MX-58 with ICP-MS*3

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	Thallium, Zinc, Molybdenum, Vanadium)	
	13. Determination of hexavalent chromium	In House Methods Coded as (TO-MX-42)
	14. Determination of total hardness	In House Methods Coded as (TO-MX-44)
	15. Determination of Permanganate Index (Oxidis-ability)#	In House Method Coded as (TO-MX-51)
	16. Determination of total and composite alkalin-ity, carbonate (CO_3^{2-}) and bicarbonate (HCO^{3-}) ions and carbonate hardness	In House Method Coded as (TO-MX-55)
8. Vegetable oils	1. Determination of Acidity	Method of Regulation EEC 2568/91, Annex II, COI/T.20/Doc No34 as amended and is in force
	2. Determination of Peroxide Value	Method of Regulation EEC 2568/91, Annex III, COI/T.20/Doc No35 as amended and is in force
	3. Determination of the Extinction Coefficient Kat 232nm	Method of Regulation EEC 2568/91, Annex IX, COI/T.20/Doc No19, as amended and is in force
	4. Determination of the Extinction Coefficient K at 268nm	
	5. Determination of Specific Extinction Variation (DK)	
9. Foodstuff	1. Determination of Moisture and Volatile Matter	In House method coded as (TO-MX-28)
	2. Determination of Ash	In House method coded as (TO-MX-29)
	3. Determination of Total Nitrogen and Protein	In House method coded as (TO-MX-30)
	4. Determination of Benzoic and Sorbic acid	In House method coded as (TO-MX-39)
	5. Determination of Sugars (Glucose, Fructose, sucrose, maltose, lactose)	In House method coded as (TO-MX-38)
9. Foodstuff (continued)	6. Determination of Total and Digestible carbohydrates, of Energy and Sodium Chloride	In House method by calculation, coded as (TO-MX-50)
	7. Determination of Sulphur dioxide and Sulfites content	In House method coded as (TO-MX-47)
10. Milk and Milk Products	1. Determination of Fat	In House method coded as (TO-MX-27)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
11. Foodstuff (except milk and milk products)	1. Determination of Fat	In House method coded as (TO-MX-31)
12. Animal Feedstuff	1. Determination of Moisture and Volatile Matter	In House method coded as (TO-MX-28)
	2. Determination of Ash	In House method coded as (TO-MX-29)
	3. Determination of Fat	In House method coded as (TO-MX-31)
	4. Determination of Total Nitrogen and Protein	In House method coded as (TO-MX-30)
13. Spirit Drinks (gin, vodka, ouzo, tsipouro)	1. Determination of phthalates DMP, DEP, BBP, DBP, DEHP, DOP	In House method coded as (TO-MX-26)
14. Lactose free and lactose reduced products	1. Determination of Lactose and Galactose	In House method coded as (TO-MX-33)
15. Nuts and their products, Cereals and their products, Animal feed	1. Quantitative Determination of Aflatoxines B1, B2, G1, G2 and their sum	In house method coded as (TO-MX-40)
16. Food and Baby food as defined in regulation (EU) no.609/2013	1. Determination of Acrylamide	In House method coded as (TO-MX-46)
Microbiological Tests		
1. Foodstuff and animal feeding stuff	1. Enumeration of microorganisms -Colony-count technique at 30ºC by the pour plate technique	ISO 4833-1:2013
	2. Enumeration of microorganisms -Colony-count technique at 30ºC by the surface plating technique	ISO 4833-2:2013
	3. Enumeration of coliforms	ISO 4832:2006
	4. Enumeration of *Enterobacteriaceae*	ISO 21528-2:2017
	5. Enumeration of β-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	6. Enumeration of coagulase –positive staphylococci	ISO 6888-2:1999
1. Foodstuff and animal feeding stuff (continued)	7. Enumeration of yeasts and moulds to food and animal feeding stuffs with $a_w > 0,95$	ISO 21527-1:2008

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	8. Enumeration of yeasts and moulds to food and animal feeding stuffs with $a_w < 0,95$	ISO 21527-2:2008
	9. Detection of *Salmonella* spp. except *S. typhi* and *paratyphi*	ISO 6579-1:2017
	10. Detection of *Listeria monocytogenes*	ISO 11290-1:2017
	11. Enumeration of *Listeria monocytogenes*	ISO 11290-2:2017
	12. Detection of *Listeria* spp.	ISO 11290-1:2017
	13. Enumeration of *Listeria* spp.	ISO 11290-2:2017
	14. Emumeration of *Campylobacter* spp.	ISO 10272-2:2017
	15. Enumeration of *Cl. Perfringens*	ISO 7937: 2004
	16. Enumeration of sulfite-reducing *Clostridium* spp.	ISO 15213-1:2023
	17. Enumeration of presumptive *Bacillus cereus*	ISO 7932:2004
2. Meat and Meat products	1. Enumeration of *Pseudomonas* spp.	ISO 13720:2010
3. Milk and Milk products	1. Enumeration of *Pseudomonas* spp.	ISO 11059:2009
4. Potable water, surface water, groundwater, swimming pool water and sea water	1. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	2. Detection and enumeration of *Escherichia coli* and coliform bacteria	ISO 9308-1:2014
	3. Enumeration of culturable micro-organisms at 22±2 ºC and 36±2 ºC	ISO 6222:1999
	4. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
	5. Detection and enumeration of *Clostridium Perfringens* (seeds included)	ISO 14189:2013
5. Potable water, environmental samples (e.g. water from cooling tower, process water, water from air washers chambers,, water from dental units), surface water and wastewater	1. Enumeration of *Legionella* spp.	ISO 11731:2017
6. Legionella isolates from Potable water, environmental samples (e.g. water from cooling tower,	1. Serological indetification of *Legionella spp:* *L. pneumophila serogroup 1,* *2. L. pneumophila serogroups 2-14*	Legionella Latex Test – OXOID DR0800M

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
process water, water from air washers chambers,, water from dental units), surface water and wastewater		
7. Treated wastewater from treatment plant	1. Detection and enumeration of Total Coliforms	ISO 9308-1:2014
	2. Detection and enumeration of *Escherichia coli*	ISO 9308-1:2014
	3. Detection and enumeration of intestinal *Enterococci*	ISO 7899-2:2000
8. Wastewater, Sludges	1. Detection and enumeration Total coliforms	APHA 9222 B
9. Drinking Water, Surface Water, Swimming Pool Water and Seawater, Wastewater, Sludges	1. Detection and enumeration of Fecal coliforms	APHA 9222 D
	2. Detection and enumeration of *E. coli*	APHA 9222 H
10. Animal faeces and environmental samples from the primary production stage	1. Detection of *Salmonella* spp. except *S. typhi* and *paratyphi*	ISO 6579-1:2017
11. Potable water, swimming pool water, sea water and industrial and domestic wastewaters	1. Detection of *Salmonella* spp.	ISO 19250:2010
12. Water for haemodialysis and related therapies	1. Enumeration of total aerobic microorganisms at 20 ^{0}C ± 3 ^{0}C	ISO 23500-3:2019
13. Dialysis fluid for haemodialysis and related therapies	1. Enumeration of total aerobic microorganisms at 20 ^{0}C ± 3 ^{0}C	ISO 23500-5:2019
14. Surfaces from food production and processing areas	1. Enumeration of *β-glucuronidase-positive Escherichia coli*	ISO 16649-2:2001
	2. Enumeration of Enterobacteriaceae	ISO 21528-2:2017
14. Surfaces from food production and processing areas (continued)	3. Enumeration of microorganisms -Colony-count technique at 30^{o}C by the pour plate technique	ISO 4833-1:2013
	4. Enumeration of presumptive *Bacillus cereus*	ISO 7932:2004
	5. Detection of *Listeria monocytogenes*	ISO 11290-1:2017

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	6. Enumeration of *Listeria monocytogenes*	ISO 11290-2:2017
	7. Detection of *Listeria* spp.	ISO 11290-1:2017
	8. Enumeration of *Listeria* spp.	ISO 11290-2:2017
	9. Detection of *Salmonella spp,* except *S. typhi* and *paratyphi*	ISO 6579-1:2017
Immunochemical Testing		
1. Foodstuff	1. Determination of Almond Allergen	In house method coded as (TO-MX-32)
	2. Determination of Gluten Allergen	In house method coded as (TO-MX-34)
	3. Determination of Peanut Allergen	In house method coded as (TO-MX-48)
	4. Determination of Hazelnut Allergen	In house method coded as (TO-MX-52)
	5. Determination of Sesame Allergen	In house method coded as (TO-MX-54)
	6. Determination of Milk Allergen	In house method coded as (TO-MX-53)
2. Surfaces from food production and processing areas	7. Detection of Almond Allergen	In house method coded as (TO-MX-32)
	8. Detection of Peanut Allergen	In house method coded as (TO-MX-48)
	9. Detection of Hazelnut Allergen	In house method coded as (TO-MX-52)
	10. Detection of Sesame Allergen	In house method coded as (TO-MX-54)
	11. Detection of Milk Allergen	In house method coded as (TO-MX-53)
Organoleptic Testing		
1. Drinking water and water intended for	1. Determination of Odor (TON)	In house method coded as:

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
human consumption	2. Determination of Taste (TFN)	(TO-MX-41)
Sampling		
1. Drinking water and water intended for human consumption	1. Determination of microorganisms and physicochemical parameters	ISO 5667-1:2006 ISO 5667-3:2018 ISO 5667-5:2006 ISO 5667-14:2014 ISO 19458 :2006
3. Environmental samples in the area of food production and food handling	1. Horizontal sampling methods for microbiological tests	ISO 18593:2018
3. Carcasses of ungulates	2. Sampling for microbiological analysis carcasses	ISO 17604:2015

**[1] American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017.*
**[2]AOAC: Association of Official Analytical Chemists*
**[3] ICP: Inductively coupled plasma*
**[4]UHPLC-MS/MS: High pressure liquid chromatography tandem with mass spectroscopy*
**[5]GC-MS/MS: Gas chromatography tandem with mass spectroscopy*
[#]Methods marked with (#) are in accordance with the method specification of Joint Ministerial Decision No. Δ1(δ)/GP oik. 27829/2023 concerning the quality of drinking water.

Site of assessement: **Permanent Laboratory Premises, 67 Mikrassiaton str & Kountouriotou str, GR-38333, Volos, Greece.**
Approved signatory: **E.Paparizou, P. Paparizou, A. Papastathopoulos.**

This scope of Accreditation replaces the previous one dated 18.12.2023.
The Accreditation Certificate No.**713-**6, according to ELOT EN ISO/IEC 17025:2017, is valid until 02.11.2027.

Athens, 29 June 2026

Konstantinou Evangelos Apostolos
CEO of ESYD