Hellenic Accreditation System

HELLENIC ACCREDITATION SYSTEM

Annex F1/31 to the Certificate No. **129**-7

SCOPE of ACCREDITATION

of the
Testing Laboratory

CADMION

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Chemical Tests		
1. Potable and underground waters	1.Determination of total hardness	APHA[*1] 2340 -C
	2.Determination of calcium hardness	APHA[*1] 3500Ca-B
	3.Determination of magnesium hardness	APHA[*1] 3500-Mg-B
	4.Determination of pH	APHA[*1] 4500-H^+
	5.Determination of conductivity	In house method based on the method APHA[*1] 2510
	6.Determination of chloride	In house method based on the method MERCK 14897
	7.Determination of ammonium	In house method based on the method MERCK 14752
	8.Determination of nitrates (except sea water)	In house method based on the method MERCK 14773
	9.Determination of nitrites	In house method based on the method MERCK 14776
	10.Determination of iron	In house method based on the method MERCK 14761
	11.Determination of copper	In house method based on the method MERCK 14767
	12.Determination of phosphates	In house method based on the method MERCK 14848

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
2. 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 residues of plant protection products: 2,4-DDE, 4,4-DDE, Acrinathrin, a-cypermethrin,a-endosulfan, b-endosulfan, Bifenox, Bifenthrin, Butafenacil, Chlorfenapyr, Chlorfeson, Chlorpyrifos methyl, Cyfluthrin, Cypermethrin, Dieldrin, End.sulfate, Ethalfluralin, Fenarimol, Fenitrothion, Fluopicolide, Hexachlorobenzene, Kresoxim methyl, lamda-cyhalothrin, Lindane, Nitralin, Oxyfluorfen, Penconazole, Pendimethalin, Phosalone, Phosmet, Picolinafen, Profluralin, Proquinazid, Pyridalyl, Quinoxyfen, Spirodiclofen, Tefluthrin, Transfluthrin, Trifloxystrobin, Vinclozolin.	Lab code method: O 1093, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 GC/ECD *[2]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
2. Fruits and Vegetables high water content (contrinue) (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)	2. Determination of residues of plant protection products: Acetamiprid, aldicarb sulfone, aldicarb sulfoxide,ametoctradin,ametryn,aminocarb, amitraz, benalaxyl, bentazone, benthiavalicarb, bitertanol, boscalid, bromuconazole, bupirimate, buprofezin, buturon, BYI08330-cis-keto-hydroxy, BYI08330-mono-hydroxy, cadusafos, carbendazim, carbofuran, carboxin, chlorantraniliprole, chloridazon, chlorotoluron, clethodim, climbazole, clodinafop, clofentezine, clomazone, cloquintocet-mexyl, clothianidin, crimidin, cyantraniliprole, cyazofamid, cycloate, cycloxydim, cymoxanil, cyproconazole, cyprodinil, demeton-s-methyl, demeton-s-methyl sulfone, demeton-s-methyl sulfoxide, desmedipham, desmetryn, dichlorobenzamide, dicrotophos, diethofencarb, difenoconazole, diflubenzuron, dimethenamid, dimethoate, dimethomorph, dispropetryn, diuron, dodine, emamectin, epoxiconazole, EPTC, ethiofencarb sulfoxide, ethirimol, ethofumesate, etofenprox, etoxazole, famoxadone, fenamidone, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenbuconazole, fenbutatin oxide, fenoxaprop, fenoxycarb, fenpropidin, fenpropimorph, fenpyroximate, flonicamid, fluazifop butyl, fludioxonil, flufenoxuron, fluometuron, fluopyram, fluquinconazole, flusilazole, flutolanil, flutriafol, fluxapyroxad, forchlorfenuron, formetanate, fosthiazate, fuberidazole, furalaxyl, halosulfuron methyl, haloxyfop ethoxyethyl, hexazinone, hexythiazox, imazalil, imidacloprid, iprovalicarb, isoprocarb, isoproturon, isoxaben, isoxaflutole, isoxathion, landrin, lenacil, linuron, mandipropamid, mepanipyrim, mepanipyrim-2-hydroxypropyl, mepronil, metaflumizone, metalaxyl-M, metamitron, metconazole, methabenthiazuron, methiocarb, methiocarb sulfone, methomyl, methoprotryn, methoxyfenozide, metobromuron, metoxuron, metrafenone, monocrotophos, monolinuron, monuron, napropamide, neburon, norflurazon, novaluron, omethoate, oxadixyl, oxamyl oxime, pencycuron, phenmedipham, phenylurea, phosphamidon, phoxim, picoxystrobin, pinoxaben, piperoxyl butoxide, pirimicarb, pirimicarb desmethyl, pirimicarb formamido, prochloraz, promecarb, prometryn, propaquizafop, propargite, propazine, propiconazole, propoxur, prosulfocarb, pyraclostrobin, pyridaben, pyrimethanil, pyriproxyfen, quizalofop ethyl, quizalofop methyl, rotenone, spinosad, spirotetramat, spiroxamine, sulfotep. tebuconazole, tebufenozide, tebufenpyrad, terbumeton, terbutryn, tetraconazole, thiabendazole, thiacloprid, thiamethoxam, thidiazuron, thiobencarb, thiophanate methyl, trichlorfon, tralkoxydim, tricyclazole, triflumuron, triticonazole .	Lab code method: O 1052, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
2. Fruits and Vegetables high water content (contrinue) (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)	3. Determination of residues of plant protection products: Chlormequat chloride, Mepiquat chloride	Lab code method: O 1052, "Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method", ELOT EN 15662 LC-MS/MS *[3]
	4. Determination of residues of plant protection products (including acidic pesticides, phenoxy alkane carboxylic acids, κ.ά.): 2,4D, 2,4,5T, 4-CPA, Bromadiolone, Bromoxynil, DMST, Fipronil, Fipronil-sulfide, Fipronil-sulfone, Fluazinam, Flubendiamide, Haloxyfop, Ioxynil, Lufenuron, MCPA, Mecoprop, Mesotrione, Sulcotrione, Teflubenzuron.	Lab code method: O 1052, "Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method", ELOT EN 15662 LC-MS/MS *[3]
	5. Determination of Quaternary Ammmonium Compounds (QACs): BAC 10, BAC 12, BAC 14, BAC 16, DDAC 10.	Lab code method: O 1052, "Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method", ELOT EN 15662 LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
2. Fruits and Vegetables high water content (contrinue) (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)	6. Determination of residues of high polar plant protection products: Chlorate, Ethephon, Fosetyl-Al, Maleic Hydrazide, Perchlorate, Phosphonic acid.	Lab code method: O 1159, Based on: “Quick Method for the Analysis of numerous Highly Polar Pesticides in Foods of Plant Origin via LC-MS/MS involving Simultaneous Extraction with Methanol (QuPPe-Method)” LC-MS/MS *[3]
	7.Determination of residues of plant protection product: Glyphosate	Lab code method: O 1159, Based on: “Quick Method for the Analysis of numerous Highly Polar Pesticides in Foods of Plant Origin via LC-MS/MS involving Simultaneous Extraction with Methanol (QuPPe-Method)” LC-MS/MS *[3]
	8.Determination of residues of plant protection products: Diethanolamine, Morpholine, Triethanolamine	Lab code method: O 1159, Based on: “Quick Method for the Analysis of numerous Highly Polar Pesticides in Foods of Plant Origin via LC-MS/MS involving Simultaneous Extraction with Methanol (QuPPe-Method)” LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
2. Fruits and Vegetables high water content (contrinue) (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)	9. Determination of residues of plant protection products: Acetochlor, acrinathrin, alachlor, aldrin, atrazine, azaconazole, benfluralin, bifenox, bifenthrin, bromacil, bromocyclen, bromophos ethyl, bromophos methyl, bromopropylaye, butralin, chlordane, chlorfenapyr, chlorfenson, chlorfenvinphos, chlorobenzilate, chlorpyrifos ethyl, chlorthal dimethyl, chlozolinate, coumaphos, cyanazine, cyanofenphos, l-cyhalothrin, dichlofenthion, dichloran, diclobutrazole, diclofop methyl, diflufenican, dimoxystrobin, diniconazole, disulfoton, disulfoton sulfone, a-endosulfan, b-endosulfan, endosulfan sulfate, endrin, etaconazole, ethion, etrimfos, famophos, fenarimol, fenchlorphos, fenitrothion, fenson, fenthion, fenthion sulfoxide, fipronil, fluchloralin, flufenacet, flumetralin, fluopicolide, fluotrimazole, fonofos, halfenprox, a-HCH, b-HCH, d-HCH, heptachlor, heptachlor-A-epoxide, heptachlor-B-epoxide, heptenophos, hexaconazole, iodofenphos, iprobenfos, isazofos, isofenphos, isofenphos methyl, isopropalin, kresoxim methyl, leptenophos, lindane, malathion, mefenpyr diethyl, metazachlor, methidathion, metolachlor, metribuzin, mevinphos, myclobutanil, nitralin, nitrofen, nitrothal isopropyl, nuarimol, ofurace, oxadiazon, oxyfluorfen, paclobutrazole, parathion ethyl, penconazole, pendimethalin, pentachloraniline, pentachloranisole, perthane, phenthoate, phosalone, phosmet, picolinafen, pirimiphos ethyl, pirimiphos methyl, procymidone, profenophos, profluralin, propanil, propetamfos, propyzamide, proquinazid, prothiophos, pyrazophos, quinalphos, quinoxyfen, quintozene, simazine, spirodiclofen, sulprofos, terbacil, terbufos, terbuthylazine, tetrachlorvinphos, tetradifon, tetramethrin, tetrasul, tolclofos methyl, transfluthrin, triadimefon, triallate, triazophos, trichloronat, trifloxystrobin, trifluralin, uniconazole, vinclozolin, zoxamide.	Lab code method: O 1076, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 GC-MS/MS *[5]
3. Pome fruits	Determination of residues of Dithianon	Lab code method: O 1052, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
4. Wine	1. Determination of residues of plant protection products Acetochlor, aclonifen, alachlor, Aldrin, atrazine, azaconazole, benfluralin, bifenox, bifenthrin, bromacil, bromociclen, bromophos ethyl, bromophos methyl, bromopropylate, butafenacil, butralin, carbaryl, carbophenothion, carfentrazone ethyl, chlorfenapyr, chlorfenson, chlorfenvinphos, chorobenzilate, chlorpropham, chlorpyrifos, chlorpyrifos methyl, chlorthal dimethyl, chlozolinate, coumaphos, cyanazine, cyanofenphos, cyanophos, cyflufenamid, lamda-cyhalothrin, alpha-cypermethrin, 2,4-DDD, 4,4-DDD, 2,4-DDE, 4,4-DDE, 2,4-DDT, 4,4-DDT, diazinon, dichlofenthion, dichloran, diclobutrazole, diclofop methyl, dicofol, dieldrin, diflufenican, dimoxystrobin, diniconazole, diphenamid, ditalimfos, alpha-endosulfa, beta-endosulfan, endosulfan sulfate, EPN, etaconazole, ethalfluralin, ethion, etrimfos, famophos, fenazaquin, fenchlorphos, fenitrothion, fenobucarb, fenpropathrin, fenson, fensulfothion, fenthion, fenthion sulfoxide, fipronil, fluchloralin, flufenacet, flumetralin, fluopicolide, fluotrimazole, flurprimidol, fluvalinate-tau, fonofos, formothion, halfenprox, haloxyfop-p-methyl, a-HCH, b-HCH, d-HCH, heptachlor, heptachlor-A-epoxide, heptachlor-B-epoxide, heptenophos, hexaconazole, jodofenphos, iprobenfos, iprodione, isocarbofos, isofenphos, isofenphos methyl, isopropalin, kresoxim methyl, leptophos, lindane, malathion, mefenpyr diethyl, metazachlor, methacrifos, methidathion, methoxychlor, metolachlor, metribuzin, mevinphos, mirex, nitrofen, nitrothal isopropyl, nuarimol, o-phenylphenol, ofurace, oxyfluorfen, paclobutrazole, parathion, parathion methyl, penconazole, pendimethalin, pentachloraniline, perthane, phenthoate, phorate, phosalone, phosmet, picolinafen, pirimiphos ethyl, pirimiphos methyl, procymidone, profenophos, propachlor, propyzamide, proquinazid, prothiophos, pyraflufen ethyl, pyrazophos, quinalphos, quinoxyfen, simazine, spirodiclofen, sulprofos, tefluthrin, terbacil, terbufos, terbuthylazine, tetrachlorvinphos, tetradifon, tetramethrin, tetrasul, tolclofos methyl, tolyfluanid, transfluthrin, triadimefon, triallate, triazophos, trichloronat, trifloxystrobin, triflumizole, trifluralin, uniconazole, vinclozolin	Lab code method: O 1076, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 GC-MS/MS *[5]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
5. High fat content products of plant origin (Olives, avocados, nuts, sunflower, soybeans, peanuts, sesame, peanut butter, hazelnut paste etc)	1. Determination of residues of plant protection products: Acetamiprid, ametoctradin, ametryn, aminocarb, benalaxyl, bendiocarb, benfuracarb, benthiavalicarb, boscalid, bupirimate, buturon, cadusafos, carbendazim, carbofuran, carbofuran-3-hydroxy, carboxin, chlorantraniliprole, chlorotoluron, chlorpyrifos, chlorpyrifos methyl, climbazole, clodinafop, cloquintocet, clothianidin, crimidin, cyazofamid, cyproconazole, demeton-S-methyl sulfone, demeton-S-methyl sulfoxide, desmetryn, dicrotophos, diethofencarb, difenoconazole, diflubezuron, dimefox, dimethenamid, dimethoate, dimethomorph, dipropetryn, diuron, epoxiconazole, ethiofencarb, ethiofencarb sulfone, ethiofencarb sulfoxide, ethirimol, fenamidone, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenbuconazole, fenoxaprop-p-ethyl, fenoxycarb, flonicamid, fluazifop butyl, fludioxonil, fluometuron, fluopyram, fluquinconazole, flusilazole, flutolanil, flutriafol, fluxapyroxad, forchlorfenuron, fosthiazate, fuberidazole, furalaxyl, hexazinone, imidacloprid, iprovalicarb, isoprocarb, isoproturon, isopyrazam, isoxaben, isoxaflutole, landrin, lenacil, linuron, lufenuron, mandipropamid, mepanipyrim, mepanipyrim-2-hydroxide, mepronil, metalaxyl-M, metconazole, methabenzthiazuron, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methoprotryn, methoxyfenozide, metobromuron, metolcarb, metoxuron, metrafenone, monocrotophos, monolinuron, monuron, napropamide, neburon, norflurazon, omethoate, oxadixyl, oxamyl, pencycuron, phenmedipham, phosphamidon, phoxim, picoxystrobin, pinoxaben, piperonyl butoxide, pirimicarb, pirimicarb desmethyl, pirimicarb desmethyl formamido, prochloraz, promecarb, prometryn, propaquizafop, propargite, propazine, propiconazole, propoxur, pyraclostrobin, pyrimethanil, pyroxsulam, quizalofop ethyl, quizalofop methyl, rotenone, silthiofam, spirotetramat, sulfotep, tebuconazole, tebufenozide, teflubezuron, terbumeton, terbutryn, tetraconazole, thiacloprid, thidiazuron, thiophanate methyl, triadimenol, tricyclazole, triflusulfuron methyl, triforine, triticonazole	Lab code method: O 1133, LC-MS/MS *[3] “Variation of QuECheRS-method for vegetable oil samples”

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
5. High fat content products of plant origin (Olives, avocados, nuts, sunflower, soybeans, peanuts, sesame, peanut butter, hazelnut paste etc)	2. Determination of residues of plant protection products: Acetochlor, aclonifen, alachlor, atrazine, azaconazole, azinphos ethyl, azinphos methyl, azoxystrobin, bifenox, carfentrazone ethyl, chlorfenapyr, chlorfenson, chlorfenvinphos, chlorobenzilate, chlorothalonil, chlorpropham, chlorthal dimethyl, chlozolinate, cyanofenphos, cyflufenamid, lambda-cyhalothrin, deltamethrin, diazinon, diclobutrazole, diclofop methyl, dicloran, diflufenican, dimoxystrobin, diniconazole, diphenamid, disulfoton sulfone, ditalimfos, endosulfan sulfate, EPN, etaconazole, ethion, ethoprophos, etrimfos, famophos, fenarimol, fenhexamid, fenitrothion, fenobucarb, fenson, fenthion, fipronil, fluchloralin, flufenacet, flumioxazin, fluopicolide, fluotrimazole, flurprimidol, haloxyfop-p-methyl, b-HCH, heptenophos, hexaconazole, imibenconazole, indoxacarb, iprobenfos, iprodione, isazophos, isofenphos, isofenphos methyl, kresoxim methyl, malathion, mefenpyr diethyl, metazachlor, methacrifos, methidathion, methoxychlor, metolachlor, mevinphos, nitrothal isopropyl, nuarimol, o-phenylphenol, oxyfluorfen, paclobutrazole, paraoxon ethyl, parathion ethyl, parathion methyl, penconazole, phenthoate, phosalone, phosmet, picolinafen, pirimiphos methyl, procymidone, profenofos, propanil, propetamfos, propyzamide, pyraflufen ethyl, pyrazophos, pyridafenthion, quinalphos, simazine, terbacil, tetrachlorvinphos, thionazin, tolclofos methyl, tolyfluanid, triadimefon, triazophos, trifloxystrobin, viclozolin.	Lab code method: O 1133, GC-MS/MS *[5] “Variation of QuECheRS-method for vegetable oil samples”
6. High fat content products of plant origin (Olives, avocados, nuts, olive oil, rapeseed oil, sunflower oil, pumkin seed oil, sunflower, soybeans, peanuts, sesame, peanut butter, hazelnut paste etc)	Determination of residues of high polar plant protection products: Chlorate, Ethephon, Fosetyl-Al, Maleic Hydrazide, Perchlorate, Phosphonic acid.	Lab code method: O 1159, Based on: “Quick Method for the Analysis of numerous Highly Polar Pesticides in Foods of Plant Origin via LC-MS/MS involving Simultaneous Extraction with Methanol (QuPPe-Method)” LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
7. Olive oil and other oils of plant origin	1. Determination of residues of plant protection products: Acetamiprid, aminocarb, benalaxyl, bendiocarb, benfuracarb, benthiavalicarb, bitertanol, boscalid, bromuconazole, BYI-cis-keto-hydroxide, BYI-monohydroxide, bupirimate, buturon, carbofuran, carbofuran-3-hydroxy, chlorantraniliprole, chloridazon, chlorotoluron, chlorpyrifos, chlorpyrifos methyl, climbazole, clodinafop, clomazone, crimidin, cyantraniliprole, cyproconazole, demeton-s-methyl, demeton-S-methyl sulfone, demeton-S-methyl sulfoxide, dicrotophos, diethofencarb, difenoconazole, diflubezuron, dimethenamid, dimethoate, dimethomorph, diuron, epoxiconazole, ethiofencarb sulfone, ethofumesate, fenamidone, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenbuconazole, fenoxaprop-p-ethyl, fenoxycarb, flonicamid, fluazifop butyl, fludioxonil, fluometuron, fluopyram, flutolanil, flusilazone, flutriafol, fluxapyroxad, fosthiazate, fuberidazole, furalaxyl, hexazinone, imidacloprid, iprovalicarb, isoprocarb, isoproturon, isopyrazam, isoxaben, isoxaflutole, isoxathion, landrin, lenacil, linuron, lufenuron, mandipropamid, mepanipyrim, mepanipyrim-2-hydroxide, mepronil, metaflumizone, metalaxyl-M, metconazole, methabenzthiazuron, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methoprotryn, methoxyfenozide, metobromuron, metolcarb, metoxuron, metrafenone, monocrotophos, monolinuron, monuron, napropamide, neburon, norflurazon, omethoate, oxadixyl, oxamyl, oxamyl oxime, pencycuron, phenmedipham, phosphamidon, phoxim, picoxystrobin, piperonyl butoxide, pirimicarb, pirimicarb desmethyl, pirimicarb desmethyl formamido, prochloraz, promecarb, propaquizafop, propargite, propazine, propiconazole, propoxur, pyraclostrobin, quizalofop ethyl, quizalofop methyl, rotenone, spiromesifen, spirotetramat, sulfotep, tebuconazole, tebufenozide, teflubezuron, tetraconazole, thiacloprid, thiamethoxam, thiodicarb, triadimenol, trichlorfon, tricyclazole, triflumuron, triforine, triticonazole	Lab code method: O 1133, LC-MS/MS *[3] “Variation of QuECheRS-method for vegetable oil samples”

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
7. Olive oil and other oils of plant origin	2. Determination of residues of plant protection products: Acetochlor, aclonifen, alachlor, atrazine, azaconazole, azinphos ethyl, azinphos methyl, azoxystrobin, benfluralin, bifenox, carfentrazone ethyl, chlorfenapyr, chlorfenson, chlorfenvinphos, chlorothalonil, chlorpyrifos, chlorpyrifos methyl, chlorthal dimethyl, chlozolinate, coumaphos, cyanofenphos, cyanophos, cyflufenamid, lambda-cyhalothrin, deltamethrin, diazinon, diclobutrazole, diclofop methyl, dicloran, diflufenican, dimoxystrobin, diphenamid, disulfoton sulfone, ditalimfos, endosulfan sulfate, EPN, etaconazole, ethalfluralin, ethion, ethoprophos, etrimfos, famophos, fenitrothion, fenobucarb, fenson, fenthion, fipronil, fluchloralin, flufenacet, flumetralin, fluopicolide, fluotrimazole, flurprimidol, haloxyfop-p-methyl, b-HCH, d-HCH, heptenophos, iprobenfos, iprodione, isazophos, isofenphos, isofenphos methyl, kresoxim methyl, malathion, mefenpyr diethyl, metazachlor, methacrifos, methidathion, methoxychlor, metolachlor, mevinphos, myclobutanil, nitralin, nitrothal isopropyl, nuarimol, ofurace, oxadiazon, oxyfluorfen, paclobutrazole, paraoxon methyl, paraoxon ethyl, parathion ethyl, parathion methyl, penconazole, phenthoate, phosalone, phosmet, picolinafen, pirimiphos ethyl, pirimiphos methyl, procymidone, profluralin, propachlor, propanil, propetamfos, propyzamide, pyraflufen ethyl, pyrazophos, quinalphos, simazine, tefluthrin, terbacil, tetrachlorvinphos, thionazin, tolclofos methyl, tolyfluanid, triadimefon, triazophos, trifloxystrobin, trilfumizone, trifluralin, viclozolin.	Lab code method: O 1133, GC-MS/MS *[5] “Variation of QuECheRS-method for vegetable oil samples”

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
8. Milk and milk products	1. Determination of residues of plant protection products: aclonifen, acrinathrin, anthraquinone, azaconazole, azinphos ethyl, azinphos methyl, azoxystrobin, benfluralin, bromacil, bromophos ethyl, bromophos methyl, bromopropylate, butafenacil, carbaryl, carfentrazone ethyl, chinomethionat, chlorfenson, chlorfenviphos, chlorobenzilate, chlorthal dimethyl, coumaphos, cyanofenphos, cyflufenamid, cyfluthrin-beta, cyhalothrin-lambda, cypermethrin-alpha, deltamethrin, dichlofenthion, dichloran, diclobutrazole, diflufenican, dimoxystrobin, diniconazole, diphenylamine, endosulfan sulfate, etaconazole, ethion, etrimfos, fenarimol, fenchlorphos, fenhexamid, fenitrothion, fenpropathrin, fenson, flufenacet, flumetralin, flumioxazin, fluopicolide, fluotrimazole, fonofos, heptenophos, hexaconazole, iodofenphos, isofenphos, isofenphos methyl, kresoxim methyl, leptophos, malathion, mefenpyr diethyl, metazachlor, methidathion, nitrofen, nitrothal isopropyl, nuarimol, ofurace, paclobutrazole, parathion ethyl, penconazole, pendimethalin, perthane, phosalone, phosmet, picolinafen, pirimiphos ethyl, procymidone, profenophos, propachlor, propanil, propyzamide, proquinazid, prothiophos, pyraflufen ethyl, pyrazophos, quinalphos, quinoxyfen, quintozene, sulprofos, terbufoss, tetrachlorvinphos, tetradifon, tolclofos methyl, transfluthrin, triadimefon, triazophos, trifloxystrobin, triflumizole, vinclozolin, zoxamide	Lab code method: O 1076, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 GC-MS/MS *[5]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
8. Milk and milk products (continued)	2. Determination of residues of plant protection products: Acetamiprid, aldicarb sulfone, aldicarb sulfoxide, ametoctradin, ametryn, aminocarb, BAC8, BAC10, BAC12, BAC14, BAC16, BAC 18, benalaxyl, benthiavalicarb, bifenazate, boscalid, boscalid metabolite-M510F01, buprofezin, buturon, cadusafos, carbendazim, carboxin, chlorantraniliprole, chloridazon, chlorotoluron, clethodim, climbazole, clodinafop, clomazone, cloquintocet-mexyl, clothianidin, crimidin, cyantraniliprole, cyazofamid, cyproconazole, cyprodinil, DEET, demeton-s-methyl sulfone, oxydemeton-methyl, desmedipham, desmetryn, dichlorobenzamide, diethofencarb, dimefox, dimethenamid, dimethoate, dimethomorph, dinotefuran, dodemorph, ethiofencarb, ethiofencarb sulfone, etoxazole, famoxadone, fenamidone, fenbuconazole, fenoxaprop, fenoxycarb, fenpropidin, fenpropimorph, fenpyroximate, flonicamid, florasulam, flufenoxuron, fluopyram, flusilazole, flutriafol, fluxapyroxad, forchlorfenuron, fosthiazate, fuberidazole, furalaxyl, hexazinone, imazalil, imidacloprid, iprovalicarb, isoprocarb, isoprothiolane, isoproturon, isoxaben, isoxathion, landrin, mandipropamid, mepanipyrim, mepanipyrim-2-hydroxypropyl, mepronil, metalaxyl, metamitron, metconazole, methabenthiazuron, methomyl, methoxyfenozide, metobromuron, metoxuron, metrafenone, monolinuron, monuron, napropamide, norflurazon, oxadixyl, oxamyl, oxamyl oxime, pencycuron, penthiopyrad, phorate sulfone, phorate sulfoxide, phosphamidon, phoxim, pirimicarb, pirimicarb desmethyl, pirimicarb formamido, prochloraz, prometryn, propaquizafop, propiconazole, prothioconazole desthio, pyraclostrobin, pyridaben, pyrimethanil, pyriofenone, pyriproxyfen, rotenone, sethoxydim, spinetoram, spinosad, spiromesifen, spirotetramat, spirotetramat-cis-keto-hydroxy, spirotetramat-mono-hydroxy, spirotetramat-cis-enol, spiroxamine, sulfotep. tebuconazole, tebufenpyrad, terbumeton, terbutryn, tetraconazole, thiacloprid, thiamethoxam, thidiazuron, thiobencarb, tralkoxydim, tricyclazole, triforine, triticonazole.	Lab code method: O 1052, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
9. Honey	1. Determination of residues of plant protection products: aclonifen, acrinathrin, alachlor, anthraquinone, atrazine, azaconazole, azinphos ethyl, azoxystrobin, benfluralin,bifenthrin, bromacil, bromophos ethyl, bromophos methyl, bromopropylate, butralin, butafenacil, carfentrazone ethyl, chlorfenapyr, chlorfenson, chlorfenviphos, chlorobenzilate, chloroneb, chlorpropham, chlorpyrifos ethyl, chlorthal dimethyl, coumaphos, cyanofenphos, cyfluthrin-beta, cyhalothrin-lambda, cypermethrin-alpha, deltamethrin, dichlofenthion, diclobutrazole, diclofop methyl, dicloran diflufenican, dimoxystrobin, diniconazole, diphenamid, diphenylamine, endosulfan sulfate, EPN, etaconazole, ethion, ethoprophos, etrimfos, fenarimol, fenazaquin, fenchlorphos, fenhexamid, fenitrothion, fenpropathrin, fenson, fenthion, flufenacet, flumioxazin, flurprimidol, fluopicolide, fluotrimazole, heptachlor, heptenophos, hexachlorobenzene, hexaconazole, indoxacarb, iprobenfos, isocarbofos, isofenphos, isofenphos methyl, kresoxim methyl, leptophos, malathion, mefenpyr diethyl, metazachlor, methidathion, metolachlor, metribuzin, mevinphos, mirex, nitrofen, nuarimol, ofurace, paclobutrazole, parathion ethyl, penconazole, pendimethalin, pentachloraniline, pentachloranisole, perthane, phenylphenol-2, picolinafen, profenophos, propanil, propetamfos, propyzamide, proquinazid, prothiophos, pyraflufen ethyl, pyrazophos, quinalphos, quinoxyfen, quintozene, sulprofos, terbacil, terbufos, tetrachlorvinphos, tetradifon, tetasul, tolclofos methyl, transfluthrin, triadimefon, triallate, triazophos, trifloxystrobin, triflumizole, vinclozolin, zoxamide	Lab code method: O 1076, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 GC-MS/MS *[5]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
9. Honey (continued)	2. Determination of residues of plant protection products: Acetamiprid, ametoctradin, ametryn, aminocarb, BAC8, BAC10, BAC12, BAC14, BAC16, BAC 18, benalaxyl, benthiavalicarb, bitertanol, boscalid, bupirimate, buprofezin, carbendazim, carboxin, chlorantraniliprole, chloridazon, chlorotoluron, climbazole, clodinafop, clomazone, cloquintocet-mexyl, clothianidin, crimidin, cyantraniliprole, cycloxydim, cyproconazole, cyprodinil, DDAC 10, DEET, demeton-s-methyl, demeton-s-methyl sulfone, oxydemeton-methyl, desmedipham, desmetryn, dicrotophos, diethofencarb, difenoconazole, dimethenamid, dimefox, dimethenamid, dimethoate, dodemorph, emamectin, epoxiconazole, ethiofencarb, ethiofencarb sulfone, etoxazole, fenamidone, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenbuconazole, fenoxaprop, fenoxycarb, fenpropidin, fenpropimorph, fenpyroximate, florasulam, flufenoxuron, fluometuron, flusilazole, flutolani, flutriafol, forchlorfenuron, fosthiazate, fuberidazole, furalaxyl, halosulfuron methyl, hexazinone,hexythiazox, imidacloprid, isoprocarb, isoprothiolane, isoproturon, isoxaben, isoxathion, landrin, linuron, mandipropamid, mepanipyrim, mepanipyrim-2-hydroxypropyl, mepronil, metalaxyl, metamitron, metconazole, methabenthiazuron, methiocarb sulfoxide, methomyl, methoprotryn, methoxyfenozide, metolcarb, metoxuron, metrafenone, monocrotophos, monolinuron, monuron, napropamide, norflurazon, oxadixyl, oxamyl, oxamyl oxime, pencycuron, phenylurea, phorate sulfone, phorate sulfoxide, phosphamidon, phoxim, picoxystrobin, pirimicarb, pirimicarb desmethyl, pirimicarb formamido, prochloraz, profoxydim, prometryn, propazine, propiconazole, prosulfocarb, pymetrozine, pyraclostrobin, pyridaben, pyridalyl, pyrimethanil, pyriofenone, pyriproxyfen, rotenone, sethoxydim, spinosad, spiromesifen, spirotetramat, spirotetramat-mono-hydroxy, spiroxamine, sulfotep, tebufenozide, tebufenpyrad, terbumeton, terbutryn, tetraconazole, thiacloprid, thiamethoxam, thiobencarb, thiophanate methyl, tralkoxydim, tricyclazole, tritosulfuron	Lab code method: O 1052, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
10. Dried fruits (raisins, apricots, fruit jams etc.)	1. Determination of residues of plant protection products: aclonifen, acrinathrin, alachlor, aldrin, anthraquinone, atrazine, azaconazole, azoxystrobin, benfluralin, bromocyclen, bromophos ethyl, bromophos methyl, bromopropylate, butralin, butafenacil, carbaryl, chlordecone, chlorfenson, chlorfenviphos, chlorobenzilate, chlorpropham, chlorpyrifos ethyl, coumaphos, cyanofenphos, cyflufenamid, cyfluthrin-beta, cyhalothrin-lambda, cypermethrin-alpha, dichlofenthion, diclobutrazole, diclofop methyl, dimoxystrobin, diniconazole, diphenamid, diphenylamine, endosulfan sulfate, EPN, etaconazole, ethalfluralin, etrimfos, fenarimol, fenazaquin, fenchlorphos, fenhexamid, fenitrothion, fenpropathrin, fenson, fensulfothion, fenthion, fipronil, flumioxazin, flurprimidol, fluopicolide, fluotrimazole, fonofos, heptachlor, heptenophos, hexachlorobenzene, iodofenphos, iprobenfos, isazofos, isofenphos, isofenphos methyl, isopropalin, kresoxim methyl, leptophos, malathion, mefenpyr diethyl, metazachlor, methacrifos, methidathion, methoxychlor, metolachlor, mevinphos, mirex, nitrofen, nitrothal isopropyl, nuarimol, ofurace, oxyfluorfen, paclobutrazole, parathion ethyl, penconazole, pentachloraniline, pentachloranisole, perthane, phenthoate, phenylphenol-2, phosalone, phosmet, picolinafen, pirimiphos ethyl, profenophos, profluralin, propanil, propetamfos, propyzamide, proquinazid, prothiophos, pyraflufen ethyl, pyrazophos, quinalphos, quinoxyfen, sulprofos, tecnazene, terbufos, tetrachlorvinphos, tetradifon, tetasul, tolclofos methyl, transfluthrin, triallate, trifloxystrobin, vinclozolin, zoxamide	Lab code method: O 1076, "Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method", ELOT EN 15662 GC-MS/MS *[5]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
10. Dried fruits (raisins, apricots, fruit jams etc.) (continued)	2. Determination of residues of plant protection products: Acetamiprid, aldicarb sulfone, ametoctradin, ametryn, BAC8, BAC10, BAC12, BAC14, BAC16, BAC 18, benalaxyl, benthiavalicarb, bitertanol, boscalid, bupirimate, buprofezin, carboxin, chlorotoluron, clethodim, climbazole, clodinafop, clomazone, cloquintocet-mexyl, crimidin, cyproconazole, DDAC 10, DEET, demeton-s-methyl sulfone, desmedipham, desmetryn, dicrotophos, difenoconazole, dimethenamid, dimefox, dimethenamid, dimethoate, dimethomorph, diuron, emamectin, epoxiconazole, ethiofencarb, ethiofencarb sulfone, etoxazole, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenbuconazole, fenoxycarb, fenpropidin, florasulam, fluometuron, fluopyram, fluoxastrobin, flusilazole, flutolanil, fluxapyroxad, forchlorfenuron, fosthiazate, fuberidazole, furalaxyl, hexazinone, imazalil, imidacloprid, isoproturon, isoxaben, isoxathion, mandipropamid, mepanipyrim, mepanipyrim-2-hydroxypropyl, mepronil, methabenthiazuron, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methoprotryn, methoxyfenozide, metobromuron, monocrotophos, monuron, norflurazon, oxadixyl, oxamyl, oxamyl oxime, pencycuron, penthiopyrad, phenylurea, phorate sulfone, phorate sulfoxide, phosphamidon, picoxystrobin, pirimicarb, pirimicarb desmethyl, pirimicarb formamido, prochloraz, profoxydim, propazine, propiconazole, pyraclostrobin, pyridaben, pyrimethanil, pyriofenone, pyriproxyfen, rotenone, sethoxydim, silthiofam, spiroxamine, spiromesifen, spirotetramat-cis-keto-hydroxy, spirotetramat-mono-hydroxy, spiroxamine, sulfotep, tebuconazole, tebufenozide, terbumeton, terbutryn, tetraconazole, thiacloprid, thiamethoxam, tralkoxydim, tricyclazole, triflumuron,triforine.	Lab code method: O 1052, “Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method”, ELOT EN 15662 LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
11. Tobacco	1. Determination of residues of plant protection products: Benalaxyl, bitertanol, bromuconazole, bupirimate, buprofezin, carbofuran, carbosulfan, clofentezine, demeton-s-methyl, demeton-s-methyl sulfone, diethofencarb, difenoconazole, dimethenamid, dimethomorph, diphenylamine, diuron, epoxiconazole, ethirimol, etofenprox, etoxazole, fenamidone, fenamiphos, fenoxycarb, fenpropidin, fenpropimorph, fenpyroximate, fluazifop butyl, flusilazole, forchlorfenuron, fosthiazate, hexythiazox, imazalil, lenacil, metalaxyl-M, methiocarb, methomyl, metrafenone, napropamide, omethoate, oxadixyl, pencycuron, phosphamidon, picoxystrobin, piperoxyl butoxide, pirimicarb, prochloraz, prometryn, propazine, propiconazole, propoxur, prosulfocarb, pyridaben, pyrimethanil, pyriproxyfen, rotenone, spinosyn A, spinosyn D, spiroxamine, tebufenozide, tebufenpyrad, teflubenzuron, tetraconazole, thiamethoxam, thidiazuron, thiodicarb, thiophanate methyl, triadimenol, triflumuron.	Lab code method: O 1065, "Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method", ELOT EN 15662 LC-MS/MS *[3]
12. Cereals	1. Determination of residues of plant protection products: Benalaxyl, bitertanol, boscalid, cadusafos, carbosulfan, clofentezine, cyprodinil, diethofencarb, difenoconazole, dimethoate, dimethomorph, fenamidone, fenpropidin, fenpropimorph, fosthiazate, metalaxyl, methiocarb, metrafenone, propazine, propiconazole, pyraclostrobin, pyridaben, tricyclazole, triflumuron.	Lab code method: O 1073, "Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction / partitioning and clean-up by dispersive SPE-QuECheRS-method", ELOT EN 15662 LC-MS/MS *[3]
	2. Determination of: Aflatoxins B1, B2, G1, G2, DAS, DON, HT-2, T2, ZON	Lab code method: O 1125 In house method using LC-MS/MS *[3]
13. Dried fruits (currants, figs, etc)	1. Determination of Ochratoxin A	Lab code method: O 1036 In house method using HPLC-FLD *[4]
	2. Determination of: Aflatoxins B1, B2, G1, G2, DAS, DON, HT-2, T2, ZON	Lab code method: O 1125 In house method using LC-MS/MS *[3]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
14. Milk (raw and powder)	1. Determination of Aflatoxin M1	Lab code method: O 1124 In house method using HPLC-FLD *[4]
15. Wine	1. Determination of Ochratoxin A	Lab code method: O 1141 In house method using HPLC-FLD *[4]
	2. Determination of glycerol, glucose, maltose, sucrose, fructose.	Lab code method : O 1167 In house method using HPLC-RI *[9]
	3. Determination of alcoholic strength by volume	OIV*[10]-MA-AS312-01A
	4. Determination of total sulfur dioxide	Lab code method : O 1172 In house method
	5. Determination of free sulfur dioxide	Lab code method : O 1171 In house method
	6. Determination of total acidity	OIV*[10]-MA-AS313-01
	7. Determination of pH	OIV*[10]-MA-AS313-15
	8. Determination of reducing substances	OIV*[10]-MA-AS311-01A
16. Non fatty food	1. Determination of pesticides residues of dithiocarbamates and thiouram disulfides	ELOT EN 12396-1:2006
	2. Determination of bromide residues-inorganic bromide	ELOT EN 13191.02
17. Vegetables	1. Determination of nitrates	ΕΛΟΤ EN 12014-2:2017
18. Fruits and Vegetables high water content	1. Determination of pesticides residues of dithiocarbamates and thiouram disulfides	Lab code method: O 1091, “Analysis of dithiocarbamates residues in foods of plant origin involving cleavage into carbon disulfide, partitioning into isooctane” GC-MS *[6]

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
19. Food - Animal feed	1. Determination of moisture	In house method: 'O 1132' using moisture balance
	2. Determination of ash	In house method: 'O 1134'
	3. Determination of fats	In house method: 'O 1088', using Sohxlet
	4. Determination of total nitrogen and proteins	In house method: 'O 1090', using Kjeldahl
20 Animal feed, cereals, dry pulses, flours	Determination of crude fibres	In house method: 'O 1089'
21. Food and drinks	1. Determination of benzoic acid	Lab code method: O 1152 In house method using HPLC-DAD *[7], Based on ISO 22855:2008
	2. Determination of sorbic acid	
	3. Determination of total sulfur dioxide	In house method: 'O 1189'
22. Foods with high water content (fruits, vegetables, fruit juices etc)	1.Determination of Lead	Lab code method O1083 In house method using AAS-GF *[8], Based on AOAC 999.10
	2.Determination of Cadmium	
23. Olive oil – Olive pomace oil	1. Determination of free fatty acids	COI/T.20/DOC.34
	2. Determination of peroxide value	COI/T.20/DOC.35
	3. Determination of extinction coefficients K232, K268, ΔK (Spectrophotometric investigation in the ultraviolet)	COI/T.20/DOC.19
24. Honey	1. Determination of moisture	IHC 2009 Method 1
	2. Determination of free acidity	IHC 2009 Method 4.1
	3. Determination of electrical conductivity	IHC 2009 Method 2
	4. Determination of Diastase	IHC 2009 Method 6.2
	5. Determination of Hydroxymethylfurfural (HMF)	IHC 2009 Method 5.1
	6. Determination of Glucose, Fructose, Sucrose, Maltose	In house method 'O 1205'

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Microbiological Testing		
1. Food and feeding stuffs	1. Enumeration of total aerobic microorganisms at 30^0 C	ISO 4833-1:2013
	2. Enumeration of *Enterobacteriaceae*	REBECCA+EB AES, Validation Certificate AFNOR AES 10/07-01/08
	3. Enumeration of b-glucurodinase-positive *Escherichia coli*	ISO 16649-2:2001
	4. Enumeration of coagulase-positive staphylococci (*Staphylococus aureus* and other species)	ISO 6888-2:1999/Amd 1:2003
	5. Detection of *Salmonella spp*.	VIDAS® Up Salmonella (VIDAS SPT) bioMérieux, Validation Certificate AFNOR BIO 12/32-10/11
	6. Detection of *Listeria monocytogenes*	VIDAS® LISTERIA MONOCYTOGENES XPRESS (VIDAS LMX) bioMérieux, Validation Certificate AFNOR BIO 12/27-02/10
	7. Enumeration of Coliforms	ISO 4832:2006
	8. Enumeration of *Bacillus cereus*	BACILLUS CEREUS RAPID AGAR (BACARA) AES, Validation Certificate AFNOR AES 10/10-07/10
	9. Enumeration of Anaerobic sulfite reducing bacteria	ISO 15213:2003
	10. Enumeration *of C. perfringens*	ISO 7937:2004
	11. Enumeration of Yeasts / Molds	ISO 21527-1 :2008 (a_w >0,95) & 21527-2 :2008 (a_w≤0,95)
2. Potable, underground and swimming pool waters	1. Enumeration of *Escherichia coli* and total coliforms	ISO 9308-1:2014/Amd.1:2016
3. Potable, surface and swimming pool waters	1. Enumeration of total aerobic microorganisms at 22±2ºC and 36±2ºC	ISO 6222:1999
	2. Detection and Enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
4. Potable, surface, swimming pool and sea waters	1. Detection and Enumeration of intestinal enterococci	ISO 7899-2:2000

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
5. Environmental samples/poultry	1. Detection *Salmonella spp.*	VIDAS® Up Salmonella (VIDAS SPT) bioMérieux, Validation Certificate AFNOR BIO 12/32-10/11
Organoleptic Tests		
1. Virgin olive oil	Organoleptic assessment of virgin olive oil	COI/T.20/DOC.15
2. Wine	Organoleptic assessment of wine	Ligas, I.; Kotseridis, Y. Beverages 2024, Volume 10, Issue 3, 63

* [1] APHA*: American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 22nd Edition, 2012*
[2] GC/ECD: Gas chromatography with Electron Capture Detector*
*[3] LC-MS/MS *Liquid Chromatography-Mass Detector (Tandem MS)*
*[4] HPLC-FLD: *High Performance Liquid Chromatography-Fluorescence Detector*
*[5] GC-MS/MS *Gas Chromatography-Mass Detector (Tandem MS)*
*[6] GC-MS *Gas Chromatography-Mass Detector (Tandem MS)*
*[7] HPLC-DAD: *High Performance Liquid Chromatography-Diode Array Detector*
*[8] AAS-GF: Atomic Absorption Spectroscopy with graphite furnace
*[9] HPLC-RI: *High Performance Liquid Chromatography-Reflective Index Detector*
*[10] OIV: *International Organisation Of Vine And Wine*

Site of assessment: **Laboratory Permanent premises, Ethnikis Antistaseos 153, Kiato, Greece**
Approved signatories: **Vassilios Ligas, Ioannis Ligas, Maria Liga**

This scope of Accreditation replaces the previous one, dated 16.04.2025.
The Accreditation Certificate No. **129**-7, according to ELOT EN ISO/IEC 17025:2017, is valid until 08.06.2028.

Athens, 30th of September 2026

Konstantinou Evangelos Apostolos
CEO of ESYD