

Hellenic Accreditation System



ACCREDITATION CERTIFICATE No. 195-9

The Hellenic Accreditation System (ESYD), as the national accreditation body of Greece in accordance with the Law 4468/2017,

ACCREDITS

the
Testing Laboratories
“QACS Ltd.”
&
“QACSFOOD”
of
Quality Assurance & Control Systems Ltd.

in Metamorphosis, Attica and in Piraeus, Greece

under the terms of the ELOT EN ISO/IEC 17025:2017 Standard and the ESYD Criteria, to carry out tests, as specified in the attached Scope of the Accreditation, which may be revised by decisions of ESYD.

The initial accreditation was issued on 09.03.2005. This Certificate is valid until 08.03.2025 provided that the accredited bodies comply with the above Standard and the ESYD Criteria.

Athens, 11th of January 2024



Hellenic Accreditation System



Annex F1/B12 to the Certificate No. 195-9

SCOPE of ACCREDITATION

of the Testing Laboratory

«QACSFOOD»
of the

QUALITY ASSURANCE AND CONTROL SYSTEMS LTD

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Chemical Tests		
1a. Fruits and vegetables with high water content (stone fruits, pome fruits, fruiting vegetables, leaf vegetables, citrus fruits, root and tuber vegetables, stem vegetables, small fruits, grape, tropical fruits, legume vegetables, brassica vegetables, bulb vegetables, fresh herbs, miscellaneous fruits as referred to Regulations (EU) 396/2005 and (EU) 600/2010)	Residue-determination of 370 agricultural drugs: abamectin, acephate, acetamiprid, acetochlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, ametoctradin, ametryn, amidosulfuron, amitraz, atrazine, azadirachtin, azamethiphos, azimsulfuron, azoxystrobin, benalaxyl, bendiocarb, benomyl, bentazone, benthiovalicarb isopropyl, benzovindiflupyr, bifenazate, bitertanol, boscalid, bromacil, bromadiolone, bromoxynil, bromuconazole, bupirimimate, buprofezin, butocarboxim, butocarboxim sulfoxide, cadusaphos, carbaryl, carbendazim, carbofenothon, carbofuran, 3-OH carbofuran, carfentrazone, carpropamide, chloransulam, chlorantraniliprole, chlorbromuron, chlordinafop propargyl, chlorfenvinphos, chloridazon, chlorosulfuron (-), chlorotoluron, chloroxuron, chromafenozide, clethodim, climbazol, clofentezine, clothianidine, coumaphos, 4-CPA, crimidine, cyanazine, cyantraniliprole, cyazofamid, cycloate, cycloxydim, cyflufenamid, cyflumetofen, cymoxanil, cyproconazol, cyprodinil, cyromazin, 2,4-D, DEET, demetonO/S, demetonSMe, demetonSMesulfone, desmedipham, desmethyl-formamido-pirimicarb, desmethyl-pirimicarb, desmetryn, diazinon, dichlorprop, dichlorvos, diclobutrazol, dicrotophos, diethofencarb, difenacoum, difenoconazol, diflubenzuron, dimefox, dimethoate, dimethomorph e ^{+z} , dimoxystrobin, diniconazol, dinotefuran, dipropetryn, disulfoton sulfone, disulfoton sulfoxide, ditalimfos, diuron, DMF, DMPF, DMST, dodemorph, dodine, ediphenphos, emamectin benzoate, etaconazol, ethofencarb sulfoxide, ethionfencarb, ethirimol, ethofumesate, ethoprophos, etofenprox, etoxazol, etrimfos, famoxadone, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenazaquin, fenbuconazol, fenchlorazol Et, fenchlorphos oxon, fenhexamid, fenobucarb (Baycarb), fenoxaprop-P-Et, fenoxycarb, fenpropidin, fenpyrazamine, fenpyroximate, fensulfothion, fenthion, fenthion oxon, fenthion sulfone, fenthion sulfoxide, fipronil, fipronil desulfinyl, fipronil sulfone, flazasulfuron, florasulam, fluazifop, fluazifop-Bu, fluazinam, flubendiamide, fludioxonil, flufenacet, flufenoxuron, fluometuron, fluopicolide, fluopyram, fluorotrimazol, fluoxastrobin, flurochloridone, flusilazol, fluthiacet-methyl, flutianil, flutolanil, flutriafol, fluxapyroxad, forchlorfenuron (CPPU), formetanate HCl, fosthiazate, fuberidazol, furalaxyd, furathiocarb, halofenozone, halosulfuron-methyl, haloxyfop, haloxyfop-p-Me, heptenophos, hexaconazol, hexaflumuron, hexazinon, hexythiazox, imazalil, imazamethabenz-methyl, imidacloprid, Imiprothrin, indoxacarb, iodosulfuron-Me, ioxynil, iprovalicarb,	Lab-code: MTD pest.13 in-house LC-MS/MS method, based on SANTE DOCUMENT. 11312/2021 and EUR-LFV M4 method

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	<p>isazophos, isofetamid, isoprocarb, isoprothiolane, isoproturon, isoxaben, isoxadifen-ethyl (AE F122006), isoxaflutole, isoxathion, ivermectinB1a, kresoxim-Me, lenacil, linuron, lufenuron, malaoxon, malathion, mandipropamide, MCPA, mecarbam, mecoprop, mefenacet, mepanipyrim, mephosfolan, mepronil, mesosulfuron-Me, mesotrione, metaflumizone, metalaxyl, metamitron, metconazole, methabenzthiazuron, methamidophos, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methoprene, methoxyfenozide, metobromuron, metolcarb, metosulam, metrafenone, metribuzin, metsulfuron, mevinphos, monocrotophos, monolinuron, monuron, β-naphthoxyacetic acid, napropamide, neburon, nitenpyram, novaluron, nuarimol, ofurace, omethoate, oxadixyl, oxamyl, oxathiapiprolin, oxycarboxin, oxydemeton-Me, paclobutrazol, paraoxon Et, paraoxon-Me, pebulate, penconazol, penoxsulam (penoxalim), penthiopyrad, pethoxamid, phenmedipham, phenothrin, N-phenyl urea, phorate, phorate sulfone, phorate sulfoxide, phosalone, phosamidon, phosmet, phosmet oxon, phoxim, picaridin, picolinafen, picoxytrobin, pinoxaden, piperonyl butoxide, pirimicarb, pirimiphos-Et, pirimiphos-Me, prallethrin, prochloraz, profenofos, profoxydim, promecarb, prometryn, propachlor, propamocarb, propanil, propaquifop, propargite, prophan, propiconazol, propoxur, propyzamid, proquinazid, prosulfocarb, prosulfuron, pymetrozin, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, pyridaben, pyrimethanil, pyriofenone, pyriproxyfen, pyroxsulam, quinalphos, quinoclamine, quizalofop, quizalofop-P-Et, quizalofop-P-tefuryl, resmethrin, rimsulfuron, rotenone, sethoxydim, siduron, simazine, spinosynA, spinosynD, spinosynJ, spinosynL, spirodiclofen, spirotetramat, spirotetramat-monoOH, spiroxamine, sulcotrione, sulfentrazone, sulfosulfuron, sulfotep, sulfoxaflor, sulprophos, tebuconazol, tebufenozone, tebufenpyrad, tebuthiuron, teflubenzuron, tembotrione, tepp-A, tepraloxydim, terbufos sulfone, terbufos sulfoxide, terbumeton, terbuthryn, terbutylazine, tetrachlorvinphos, tetraconazol, thiabendazol, thiachlorpid, thiamethoxam, thifensulfuron-Me, thiodicarb, thiofanox, thiofanox sulfone, thiofanox sulfoxide, thiophanate-Me, tolfenpyrad, tolyfluanid, tralkoxydim, tralomethrin, triadimefon, triadimenol, triasulfuron, tribenuron-Me, trichlorfon, triclopyr, tricyclazol, tridemorph, trifloxystrobin, trifloxsulfuron, triflumizol, triflumuron, triforine, triticonazol, tritosulfuron, uniconazol-P, valifenalate, vamidothion, zoxamide</p> <p>The symbol (α) next to some drugs denote that these drugs are excluded of the scope only for the following matrices:(α) leaf vegetables.</p>	
1b. Cereals and pulses	<p>Residue-determination of 369 agricultural drugs:</p> <p>abamectin, acephate, acetamiprid, acetochlor, acibenzolar-S-Me, aldicarb, aldicarbsulfone, aldicarbsulfoxide, ametoctradin, ametryn, amidosulfuron, amitraz, asulam, atrazine, azadirachtin Na, azamethiphos, azimsulfuron (IN A8947), azoxystrobin, benalaxyd, bendiocarb, benomyl, bentazone, benthiovalicarb isopropyl, benzovindiflupyr, bitertanol, boscalid, bromacil, bromadiolone, bromoxynil, bromuconazole, bupirimate, buprofezin, butocarboxim, cadusaphos, captafol, carbaryl, carbendazim, carbofenothion, carbofuran, 3-OH carbofuran, carfentrazoneEt, carpropamide, chloransulam, chlorbromuron, chlordinafoppropargyl, chlorfenvinphos, chloridazon, chlorosulfuron (-), chlorotoluron, chloroxuron, chlorpyrifos (-Et), chlorpyrifos-Me, chlroranthraniliprole, chromafenozide, climbazol, clofentezine, clothianidine, coumaphos, 4-CPA, cppo, crimidine, cyanazine, cyantraniliprole, cyazofamid, cycloate, cycloxydim, cyflufenamid, cyflumetofen, cymoxanil, cyproconazol, cyprodinil, 2,4-D, DEET demetonO/S, demeton-S-Me, demeton-S-Mesulfone, desmedipham, desmethryn, desmethyl-formamide-pirimicarb, desmethyl-pirimicarb, diazinon, dichlorprop, dichlorvos, diclobutrazol, dicrotophos, diethofencarb, difenacoum, difenoconazol, diflubenzuron, dimethoate, dimethomorphe+z, dimoxystrobin, diniconazole, dinotefuran,</p>	<p>Lab-code: MTD pest.13 In house LC-MS/MS, method, based on SANTE DOCUMENT. 11312/2021 and EURL-FV M4 method</p>

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	dipropetryn, disulfoton sulfone, disulfoton sulfoxide, ditalimfos, diuron, DMF, DMPF, DMST, dodemorph, dodine, ediphenphos, emamectin B1a, etaconazol, ethiofencarb, ethiofencarb sulfoxide, ethirimol, ethofumesate, ethoprophos, etofenprox, etoxazol, etrimfos, famoxadone, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenazaquin, fenbuconazol, fenchlorazol Et, fenchlorphos oxon, fenhexamid, fenobucarb (Baycarb), fenoxyprop-P-Et, fenoxy carb, fenpropidin, fenpyrazamine, fenpyroximate, fensulfothion, fenthion, fenthion oxon, fenthionsulfone, fenthionsulfoxide, fipronil, fipronil desulfinyl, fipronil sulfone, flazasulfuron, florasulam (-), fluazifop, fluazifop-Bu, fluazinam, flubendiamide, fludioxonil, flufenacet, flufenoxuron, fluometuron, fluopicolide, fluopyram, fluorotrimazol, fluoxastrobin, flurochloridone, flusilazol, flutianil, flutolanil, flutriafol, fluxapyroxad, foramsulfuron, fosthiazate, fuberidazol, furalaxyl, furathiocarb, halosenozone, halosulfuron-methyl, haloxyfop, haloxyfop-p-Me, heptenophos, hexaconazol, hexaflumuron, hexazinon, hexythiazox, imazalil, imazamethabenz-methyl, imazamox, imidacloprid, imiprothrin, indoxacarb, iodosulfuron-Me, ioxynil, iprovalicarb, isazophos, isofetamid, isoprocarb, isoprothiolane, isoproturon, isoxaben, isoxadifen-ethyl (AE F122006), isoxaflutole, isoxathion, ivermectinB1a, kresoxim-Me, lenacil, linuron, lufenuron, malaoxon, malathion, mandipropamide, mecarbam, mecoprop, mefenacet, mepanipyrim, mephosfolan, mepronil, mesosulfuron-Me, mesotrione, metaflumizone, metalexyl, metamitron, metconazole, methabenzthiazuron, methacryphon, methamidophos, methidathion, methiocarb, methiocarbsulfone, methiocarbsulfoxide, methomyl, methoprene, methoxyfenozide, metabromuron, metolcarb, metosulam, metrafenone, metribuzin, metsulfuron (-), mevinphos, monocrotophos, monolinuron, monuron, myclobutanil, napropamide, neburon, nicosulfuron, novaluron (-), nuarimol, ofurace, omethoate, oxadixyl, oxamyl, oxathiapiprolin, oxycarboxin, oxydemeton-Me, paclbutrazol, paraoxon-Et, paraoxon-Me, parathion-Et, pebulate, penconazol, penoxsulam (penoxalim), penthiopyrad, pethoxamid, phenmedipham, phenothrin, N-phenyl urea, phorate, phorate sulfone, phorate sulfoxide, phosalone, phosmamidon, phosmet, phosmet oxon, phoxim, picaridin, picolinafen, picoxystrobin, pinoxaden, piperonylbutoxide, pirimicarb, pirimiphos-Et, pirimiphos-Me, prallethrin, prochloraz, profenofos, promecarb, prometryn, propachlor, propanil, propaquizafop, propargite, prophan, propiconazol, propoxur, propyzamid, proquinazid, prosulfocarb, prosulfuron, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, pyridaben, pyrimethanil, pyriofenone, pyriproxyfen, pyroxslam, quinalphos, quinoclamine, quinoxyphen, quizalofop, quizalofop-P-Et, quizalofop-P-tefuryl, resmethrin, rimsulfuron, rotenone, siduron, simazine, spinosynA, spinosynD, spinosynJ, spinosynL, spirodiclofen, spironesifen, spirotetramat, spirotetramat-monoOH, spiroxamine, sulcotrione, sulfentrazone, sulfosulfuron, sulfotep, sulfoxaflor, sulprophos, 2,4,5-T, tebuconazol, tebufenozone, tebufenpyrad, tebuthiuron, teflubenzuron, tembotrione, tepp-A, tepraloxydim, terbufos, terbufos sulfone, terbufos sulfoxide, terbumeton, terbuthryne, terbutylazine, tetrachlorvinphos, tetaconazol, thiabendazol, thiachlorid, thiamethoxam, thifensulfuron-Me, thiocarb, thifanox, thifanoxsulfone, thifanoxsulfoxide, thiophanate-Me, tolfenpyrad, tolyfluanid, tralkoxydim, triadimefon, triadimenol, triasulfuron (-), tribenuron-Me, trichlorfon, triclopyr(-), tricyclazol, tridemorph, trifloxystrobin, trifloxysulfuron, triflumizol, triflumuron, triforine, triticonazol, tritosulfuron (-), uniconazol-P, valifenalate, vamidothion, zoxamide	
1c. Milk and milk products	Residue-determination of 302 agricultural drugs: abamectin, acetamiprid, acetochlor, acibenzolar-S-Me, aldicarb, aldicarb sulfone, aldicarb sulfoxide, ametoctradin, ametryn, amitraz, atrazine, azadirachtin Na, azoxystrobin, benalaxyl, bendiocarb, benthiovalicarb isopropyl, bifenzazate, bitertanol, boscalid, bromacil, bromuconazole, bupirimate, buprofezin, butocarboxim, cadusaphos, carbaryl, carbendazim, carbofenothon, carbofuran, carbofuran,3-OH, carboxin, carfentrazoneEt, chlorantraniliprole, chlorgenvinphos, chloridazon, chlorpyrifos (-Et),	Lab-code: MTD pest.13 In house LC-MS/MS, method, based on SANTE document 11312/2021 and EUR-L-FV M4 method

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	chlorpyrifos-Me, cinerin I, cinerin II, clethodim, climbazol, clodinafop propargyl, clofentezine, clothianidine, coumaphos, crimidine, cyanazine, cyazofamid, cycloate, cycloxydim, cyflufenamid, cymoxanil, cyproconazol, cyprodinil, cyromazin, DEET, demetonO/S, demetonSMe, demetonSMesulfone, desmedipham, desmethryn, diazinon, dibrom (naled), dichlorvos, diclobutrazol, dicrotophos, diethofencarb, difenoconazol, diflubenzuron, dimefox, dimethoate, dimethomorph e+z, dimoxystrobin, diniconazol, dinotefuran, dipropetryn, disulfoton sulfone, disulfoton sulfoxide, ditalimfos, diuron, DMF, DMPF, DMST, dodemorph, emamectin B1a, etaconazol, ethiofencarb, ethiofencarb sulfoxide, ethofumesate, ethoprophos, etofenprox, etoxazol, etrimfos, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenazaquin, fenbuconazol, fenchexamid, fenoxaprop-P-Et, fenoxy carb, fenpropidin, fenpyroximate, fensulfothion, fenthion, fenthion oxon, fenthion sulfone, fenthion sulfoxide, fipronil sulfone, fipronil, fipronil desulfinil, fluazifop-Bu, fluazinam, flubendiamide, fludioxonil, flufenacet, flufenoxuron, fluometuron, fluopicolide, fluopyram, fluorotrimazol, flusilazol, flutianil, flutolanil, flutriafol, fluxapyroxad, forchlorfenuron (cppu), formetanate HCl, fosthiazate, fuberidazol, furalaxy, furathiocarb, haloxyfop, haloxyfop-p-Me, heptenophos, hexaconazol, hexaflumuron, hexazinon, hexythiazox, imazalil, imidacloprid, indoxacarb, iodosulfuron Me, iprovalicarb, isazophos, isofetamid, isoprocarb, isoprothiolane, isoproturon, isoxaflutole, jasmolin I, jasmolin II, kresoxim Me, lenacil, linuron, lufenuron, mala oxon, malathion, mandipropamide, mecarbam, mepanipyrim, mepronil, mesosulfuron Me, metaflumizone, metalaxyl, metconazole, methaben zthiazuron, methamidophos, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfox, methomyl, methoprene, methoxyfenozide, metolcarb, metrafenone, metribuzin, mevinphos, monocrotophos, monolinuron, myclobutanil, napropamide, neburon, nitenpyram, novaluron, nuarimol, ofurace, omethoate, oxadixyl, oxamyl, oxathiapiprolin, oxydemeton-Me, paclobutrazol, paraoxon Et, paraoxon Me, pebulate, penconazol, penthiopyrad, phenmedipham, phenyl-N urea, phorate, phorate sulfone, phorate sulfoxide, phosalone, phosmet, phosmet oxon, phosphamidon, phoxim, picaridin, picolinafen, picoxy strobin, pinoxaden, piperonyl butoxide, pirimicarb, pirimicarb-desmethyl-formamido, pirimicarb-desmethyl, pirimiphos Et, pirimiphos Me, prochloraz, profenofos, profoxydim, promecarb, prometryn, propachlor, propanil, propaquizafop, propargite, prophan, propiconazol, propoxur, propyzamid, proquinazid, prosulfocarb, pymetrozin, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, pyridaben, pyrimethanil, pyriofenone, pyriproxyfen, quinalphos, quinoxypyphen, quizalofop p-Et, quizalofop-P-tefuryl, resmethrin, rotenone, sethoxydim, simazine, spinosynA, spinosynD, spinosynJ, spinosynL, spirodiclofen, spirotetramat, spirotetramat-monoOH, spiroxamine, sulfentrazone, sulfotep, sulfoxaflor, sulprophos, tebuconazol, tebufenozone, tebufenpyrad, teflubenzuron, tepraloxydim, terbufos sulfone, terbufos sulfoxide, terbumeton, terbuthry, terbutylazine, tetrachlorvinphos, tetraconazol, thiabendazol, thiachloprid, thiamethoxam, thiodicarb, thiofanox, thiofanox sulfone, thiofanox sulfoxide, thiophanateMe, tolfenpyrad, tolyfluanid, tralkoxydim, triadimenol, triasulfuron, tribenuron Me, trichlorfon, tricyclazol, trifloxystrobin, triflumizol, triflumuron, triforine, triticonazol, tritosulfuron, uniconazol-P, valifenalate, vamidothion, zoxamide	
2a. Fruits and vegetables with high water content (stone fruits, pome fruits, fruiting vegetables, leaf vegetables, citrus fruits, root and tuber vegetables, stem vegetables, small fruits,	Residue-determination of 235 agricultural drugs: 2,4 D-ethylhexyl, acetochlor, acibenzolar-S-Me, aclonifen, acrinathrin, alachlor, aldrin, allethrin, amisulbrom, azaconazol, azinphos-Et, azinphos-Me, azoxystrobin, benalaxyl, bendiocarb, benfluralin, bifenox, bifenthrin, biphenyl, bitertanol, bromacil, bromocyclen, bromophos (-Me), bromophos-Et, bromopropylate, butafenacil, butralin, captan, carbaryl, carbosulfan, chinomethionate (oxythioquinox), chlordane cis, chlordane trans, chlorfenapyr, chlorgenson (ovex), chlorobenzilate, chloroneb, chlorothalonil, chlorpropham, chlorpyriphos (-Et), chlorpyriphos-Me, chlorthal-dimethyl (chlorthion),	Lab-code: MTD pest.14 In house GC-MS/MS, method, based on SANTE document 11312/2021 and EUR-L-FV M4 method

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
<p>grape, tropical fruits, legume vegetables, brassica vegetables, bulb vegetables, fresh herbs, miscellaneous fruits as referred to Regulations (EU) 396/2005 and (EU) 600/2010)</p>	<p>chlozolinate, clomazon, cloquintocet-mexyl, coumaphos, cyanophos, cyfluthrin, cyfluthrin-β, cyhalothrin-λ, cypermethrin, cypermethrin-α, cyproconazol, cyprodinil, DBCP (Dibromo-3-chloropropane, 1,2-), DDD-op', DDD-pp', DDE-pp', DDT-op, DDT-pp', DEET, deltamethrin, diazinon, dichlobenil, dichlofenthion, dichlofuanid, dichlorvos, 4,4-DiClbenzophenone, diclobutrazol, diclofop-methyl, dicloran, dieldrin, difenoconazol, diflufenican, dimethenamid, dimethipin, dimethoate, diniconazol, dinitramine, diphenamid, diphenylamine, disulfoton sulfone, dodemorph, endosulfan sulfate, endosulfan-α, endosulfan-β, endrin, EPN, epoxiconazol, EPTC, etaconazol, ethalfluralin, ethion, ethofumesate, ethoxyquin α, etofenprox, etridiazole (terrazole, echomezol), famoxadone, famphur (famophos), fenamidone, fenarimol, fenchlorphos, fenhexamid, fenitrothion, fenoxy carb, fenpropathrin, fenpropimorph, fenson, fenthion, fenthion sulfone, fenthion sulfoxide, fenvalerate, flonicamid, fluchloralin, flucythrinate, fludioxonil, flumetralin, flumioxazin, flupyradifurone, fluquinconazol, flutianil, flutriafol, fluvalinate-τ, folpet, fonofos (dyfonate), formothion, furathiocarb, HCH-α, HCH-β, HCH-γ (lindane), HCH-δ, heptachlor, heptachlor endo-epoxide trans, heptachlor exo-epoxide, hexachlorobenzene (HCB), hexaconazol, indoxacarb, iodofenphos (jodfenphos), ioxynil octanoate, iprobenfos, iprodione, IR3535, isocarbophos, isodrin, isofenphos, isofenphos-Me, isopropalin, kresoxim Me, leptophos, malaoxon, malathion, MCPA-ethylhexyl, MCPA-methyl, MCPA-thioethyl, mefenpyr-diethyl, metalaxyl, metazachlor, methacryphon, methidathion, methoprene, methoprottryne, methoxychlor, metolachlor, metribuzin, mevinphos, mirex, myclobutanil, nitralin, nitrapyrin, nitrofen, nitrothal-isopropyl, norflurazon, omethoate, o-phenylphenol, oxadiazon, oxyfluorfen, parathion (-Et), parathion-Me, pebulate, pencycuron, pendimethalin, pentachloroaniline, pentachloranisole, permethrin, perthan, phentoate, phorate, phorate sulfone, phorate sulfoxide, phosalone, phosmet, phthalimide, piperonyl butoxide, pirimiphos-Me, procymidone, profenofos, profluralin, propanil, propargite, propazin, propetamphos, prophan, propiconazol, prothiophos, pyraclostrobin, pyridalyl, pyridafenthion, pyrifenoxy α, quinoxyphen, quintozone, resmethrin, S421, spromesifen, tebuconazol, tecnazene, tefluthrin, terbacil, terbufos, terbufos sulfone, tetradifon, tetramethrin, tetrasul, TH phthalimide, thionazin, tolclophos-Me, tralomethrin, transfluthrin, triadimefon, triadimenol, triallate, triazophos, trichloronate, trifloxystrobin, trifluralin, vinclozolin</p> <p>The symbols (α), next to some drugs denote that these drugs are excluded of the scope only for the following matrices: (α) pome fruit.</p> <p>2 additional agricultural drugs are determined in orange:</p> <p>dicofol pp, dicofol op</p>	
2b. Cereals and pulses	<p>Residue-determination of 232 agricultural drugs:</p> <p>2,4 D-ethylhexyl, acetochlor, acibenzolar-S-Me, aclonifen, acrinathrin, alachlor, aldrin, allethrin, amisulbrom, -azaconazol, azinphos-Et, azinphos-Me, azoxystrobin, benalaxy, bendiocarb, benfluralin, benfuracarb, bifenox, bifenthrin, biphenyl, bitertanol, bromacil, bromocyclem, bromophos (-Me), bromophos-Et, bromopropylate, butafenacil, butralin, carbaryl, carbosulfan, carboxin, chinomethionate (oxythioquinox), chlordane cis, chlordane trans, chlorfenapyr, chlorfenson (ovex), chlorobenzilate, chloroneb, chlorpropham, chlorpyriphos (-Et), chlorpyriphos-Me, chlorthal-dimethyl (chlorthion), chlozolinate, clomazone, cloquintocet-mexyl, coumaphos, cyanophos, cyfluthrin, cyfluthrin-β, cyhalothrin-λ, cypermethrin, cypermethrin-α, cyproconazol, cyprodinil, DBCP (dibromo-3-chloropropane, 1,2-), DDD-op', DDD-pp', DDE-pp', DDT-op, DDT-pp', DEET, deltamethrin, diazinon, dichlobenil, dichlofenthion, dichlorvos, 4,4-DiClbenzophenone, diclobutrazol, diclofop-methyl, dicloran, dieldrin, difenoconazol, diflufenican, dimethenamid,</p>	<p>Lab-code: MTD pest.14</p> <p>In house GC-MS/MS, method, based on SANTE document 11312/2021 and EUR-L-FV M4 method</p>

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	dimethipin, dimethoate, diniconazole, dinitramine, diphenamid, diphenylamine, disulfoton, disulfoton sulfone, dodemorph endosulfan sulfate, endosulfan a-, endosulfan b-, endrin, EPN, epoxiconazol, EPTC, etaconazol, ethalfluralin, ethion, ethofumesate, ethoxyquin, etofenprox, etridiazol, famoxadone, famphur (famophos), fenamidon, fenarimol, fenchlorphos, fenchexamid, fenitrothion, fenoxy carb, fenpropothrin, fenpropimorph, fenson, fenthion, fenthion sulfone, fenthion sulfoxide, fenvalerate, flonicamid, fluchloralin, flucythrinate, fludioxonil, flumetralin, flumioxazin, flupyradifurone, fluquinconazol, flutianil, flutriafol, flualinate- τ , fonofos (dyfonate), formothion, furathiocarb, HCH- α , HCH- β , HCH- γ (lindane), HCH- δ , heptachlor, heptachlor endo-epoxide trans, heptachlor exo-epoxide, hexachlorobenzene (HCB), hexaconazol, indoxacarb, iodofenphos (jodfenphos), ioxynil octanoate, iprobenphos, iprodione, IR3535, isocarbophos, isodrin, isofenphos, isofenphos-methyl, isopropalin, kresoxim Me, leptophos, malaoxon, malathion, MCPA-ethylhexyl, MCPA-methyl, MCPA-thioethyl, mefenpyr-diethyl, metalaxyl, metazachlor, methacryphon, methidathion, methoprene, methoprotrothrine, methoxychlor, metolachlor, metribuzin, mevinphos, mirex, myclobutanil, nitrinal, nitrapyrin, nitrofen, nitrothal-isopropyl, norflurazon, omethoate, o-phenylphenol, oxadiazon, oxyfluorfen, parathion (-Et), parathion-Me, pebulate, pencycuron, pendimethalin, pentachloroaniline, pentachloranisole, permethrin, perthan, phentoate, phorate, phorate sulfone, phorate sulfoxide, phosalone, phosmet, piperonyl butoxide, pirimiphos-Me, procymidone, profenofos, profluralin, propanil, propargite, propazine, propetamphos, prophan, propiconazol, prothiophos, pyraclostrobin, pyridalyl, pyridafenthion, pyrifenoxy, quinoxypyphen, quintozone, resmethrin, S421, spiromesifen, tebuconazol, tecnazene, tefluthrin, terbacil, terbufos, terbufos sulfone, tetradifon, tetramethrin, tetrasul, thionazin, tolclophos Me, tralomethrin, transfluthrin, triadimefon, triadimenol, triallate, triazophos, trichloronate, trifloxystrobin, trifluralin, vinclozolin	
2c. Milk and milk products	Residue-determination of 239 agricultural drugs: 2,4 D-ethylhexyl, Acetochlor, Acibenzolar-S-methyl, Aclonifen, Acrinathrin, Alachlor, Aldrin, Allethrin, Amisulbrom, Amitraz, Azaconazole, Azinphos-ethyl, Azinphos-methyl, Azoxystrobin, Benalaxyl, Bendiocarb, Benfluralin, Benfuracarb, Bifenox, Bifenthin, Biphenyl, Bitertanol I+II, Bromacil, Bromocyclen, Bromophos (-Me), Bromophos-Et, Bromopropylate, Butafenacil, Butralin, Captan, Carbaryl, Carbosulfan, Carboxin, Chinomethionate (Oxythioquinox), Chlordane-cis (alpha), Chlordane-trans (gamma), Chlorfenapyr, Chlorgenson, Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorpropham, Chlorpyrifos, Chlorpyrifos-methyl, Chlorthal-dimethyl (DCPA,Dacthal), Chlozolinate, Clomazone, Cloquintocet-mexyl, Coumaphos, Cyanophos, Cyfluthrin-4p, Cyfluthrin-beta, Cyhalothrin (lambda), Cypermethrin-4p, Cypermethrin-alpha, Cyproconazole, Cyprodinil, DBCP (Dibromo-3-chloropropane, 1,2-), DDD-o,p', DDD-p,p', DDE-p,p', DDT-o,p', DDT-p,p', DEET, Deltamethrin, Diazinon, Dichlobenil (Dichlorobenzonitrile-2,6), Dichlofenthion, Dichlofuanid, Dichlorvos, DiClBnzphnn-4,4, Diclobutrazol, Diclofop-methyl, Dicloran (Dichloran), Dieldrin, Difenoconazol, Diflufenican, Dimethenamid, Dimethipin, Dimethoate, Diniconazole, Dinitramine, Diphenamid, Diphenylamine, Disulfoton, Disulfoton Sulfone, Dodemorph, Endosulfan I (alpha isomer), Endosulfan II (beta isomer), Endosulfan sulfate, Endrin, EPN, Epoxiconazol, EPTC, Etalconazol I+II, Ethalfluralin, Ethion, Ethofumesate, Ethoxyquin, Etofenprox, Etridiazole (Terrazole, Echomezol), Famoxadone, Famphur, Fenamidon, Fenarimol, Fenchlorphos, Fenhexamid, Fenitrothion, Fenoxy carb, Fenpropothrin, Fenpropimorph, Fenson, Fenthion, Fenthion sulfone, Fenthion sulfoxide, Fenvalerate, Flonicamid, Fluchloralin, Flucythrinate, Fludioxonil, Flumetralin, Flumioxazin, Flupyradifurone, Fluquinconazole, Flutianil, Flutriafol, Flualinate-tau, Folpet, Fonofos, Formothion, Furathiocarb, HCH- α , HCH- β , HCH- γ , HCH- δ , Heptachlor, Heptachlor endo-epoxide trans (isomer A), Heptachlor exo-epoxide (isomer B), Hexachlorobenzene (HCB), Hexaconazol,	Lab-code: MTD pest.14 In house GC-MS/MS, method, based on SANTE document 11312/2021 and EUR-LFV M4 method

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	Indoxacarb, Iodofenphos (Jodfenphos), Ioxynil octanoate, Iprobenfos, Iprodione, IR3535, Isocarbophos, Isodrin, Isofenphos, Isophenphos-methyl, Isopropalin, Kresoxim Me, Leptophos, Malaoxon (metabolite of Malathion), Malathion, MCPA-ethylhexyl, MCPA-methyl, MCPA-thioethyl, Mefenpyr-diethyl, Metalaxyl, Metazachlor, Methacrifos, Methidathion, Methoprene, Methoprottryne, methoxychlor, Metolachlor, Metribuzin, Mevinphos, Mirex, Myclobutanil, Nitratin, Nitrapyrin, Nitrofen, Nitrothal-isopropyl, Norflurazon, Omethoate, o-Phenyl phenol, Oxadiazon, Oxyfluorfen, Parathion, Parathion-methyl, Pebulate, Pencycuron, Pendimethalin (Penoxaline), Pentachloroaniline, Pentachloroanisole, Permethrin, Perthan, Phenthroate, Phorate, Phorate sulfone, Phorate sulfoxide, Phosalone, Phosmet, Phthalimide, Piperonyl butoxide, Pirimiphos-methyl, Procymidone, Profenofos, Profluralin, Propanil (DCPA), Propargite, Propazine, Propetamphos, Propham, Propiconazol, Prothiophos, Pyraclostrobin, Pyridalyl, Pyridaphenthion, pyrifenoxy, Quinoxifen, Quintozene, Resmethrin, S421 (Octachlorodipropyl ether), Spiromesifen, Tebuconazol, Tecnazene (TCNB), Tefluthrin, Terbacil, Terbufos, Terbufos sulfone, Tetradifon, Tetramethrin I+II, Tetrasul, TH Phthalimide, Thionazin, Tolclofos-methyl, Tralomethrin, Transfluthrin, Triadimefon, Triadimenol, Triallate, Triazophos, Trichloronat, Trifloxystrobin, Trifluralin, Vinclozolin	
2d. Non edible leaves of plants and trees	Residue-determination of 230 agricultural drugs: 2,4 D-ethylhexyl, Acetochlor, Acibenzolar-S-methyl, Aclonifen, Acrinathrin, Alachlor, Aldrin, Amisulbrom, Azaconazole, Azinphos-ethyl, Azinphos-methyl, Azoxystrobin, Benalaxy, Bendiocarb, Benfluralin, Benfuracarb, Bifenox, Bifenthrin, Biphenyl, Bitertanol I+II, Bromacil, Bromocycleen, Bromophos (-Me), Bromophos-Et, Bromopropylate, Butafenacil, Butralin, Carbaryl, Carbosulfan, Carboxin, Chinomethionate (Oxythioquinox), Chlordane-cis (alpha), Chlordane-trans (gamma), Chlorfenapyr, Chlorgenson, Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorpropham, Chlorpyrifos, Chlorpyrifos-methyl, Chlorthal-dimethyl (DCPA,Dacthal), Chlozolinate, Clomazone, Cloquintocet-mexyl, Coumaphos, Cyanophos, Cyfluthrin-4p, cyfluthrin-β, Cyhalothrin (lambda), Cypermethrin-4p, cypermethrin-α, Cyproconazole, Cyprodinil, DBCP (Dibromo-3-chloropropane, 1,2-), DDD-o,p', DDD-p,p', DDE-p,p', DDT-o,p', DDT-p,p', DEET, Deltamethrin, Diazinon, Dichlobenil,(Dichlorobenzonitrile-2,6), Dichlofenthion, Dichlofuanid, Dichlorvos, DiCbenzophenone-4,4, Diclobutrazol, Diclofop-methyl, Dicloran (Dichloran), Dieldrin, Difenoconazol, Diflufenican, Dimethenamid, Dimethipin, Dimethoate, Diniconazole, Dinitramine, Diphenamid, Diphenylamine, Disulfoton, Disulfoton Sulfone, Dodemorph, Endosulfan I (alpha isomer), Endosulfan II (beta isomer), Endosulfan sulfate, Endrin, EPN, Epoxiconazol, EPTC, Etaconazol I+II, Ethalfluralin, Ethion, Ethofumesate, Ethoxyquin, Etofenprox, Etridiazole (Terrazole, Echomezol), Famoxadone, Famphur, Fenamidone, Fenarimol, Fenchlorphos, Fenhexamid, Fenitrothion, Fenoxy carb, Fenpropathrin, Fenpropimorph, Fenson, Fenthion, Fenthion sulfone, Fenthion sulfoxide, Fenvalerate, Flonicamid, Fluchlralin, Flucythrinate, Fludioxonil, Flumetralin, Flumioxazin, Flupyradifurore, Fluquinconazole, Flutianil, Flutriafol, Fluvalinate-tau, Fonofos, Formothion, Furathiocarb, HCH-α, HCH-β, HCH-γ, HCH-δ, Heptachlor, Heptachlor endo-epoxide (isomer A), Heptachlor exo-epoxide (isomer B), Hexachlorobenzene (HCB), Hexaconazol, Indoxacarb, Iodofenphos (Jodfenphos), Ioxynil octanoate, Iprobenfos, Iprodione, IR3535, Isocarbophos, Isodrin, Isofenphos, Isophenphos-methyl, Isopropalin, Kresoxim Me, Leptophos, Malathion, MCPA-ethylhexyl, MCPA-methyl, MCPA-thioethyl, Mefenpyr-diethyl, Metalaxyl, Metazachlor, Methacrifos, Methidathion, Methoprene, Methoprottryne, methoxychlor, Metolachlor, Metribuzin, Mevinphos, Mirex, Myclobutanil, Nitratin, Nitrapyrin, Nitrofen, Nitrothal-isopropyl, Norflurazon, Omethoate, o-Phenyl phenol, Oxadiazon, Oxyfluorfen, Parathion, Parathion-methyl, Pebulate, Pendimethalin (Penoxaline), Pentachloroaniline, Pentachloroanisole, Permethrin, Perthan, Phenthroate, Phorate, Phorate sulfone,	Lab-code: MTD pest.14 In house GC-MS/MS, method, based on SANTE document 11312/2021 and EURL-FV M4 method

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	Phorate sulfoxide, Phosalone, Phosmet, Piperonyl butoxide, Pirimiphos-methyl, Procymidone, Profenofos, Profluralin, Propanil (DCPA), Propazine, Propetamphos, Propham, Propiconazol, Prothiophos, Pyraclostrobin, Pyridalyl, Pyridaphenthion, Pyrifenoxy, Quinoxifen, Quintozene, S421 (Octachlorodipropyl ether), Spiromesifen, Tebuconazol, Tecnazene (TCNB), Tefluthrin, Terbacil, Terbufos, Terbufos sulfone, Tetradifon, Tetramethrin I+II, Tetrasul, TH Phthalimide, Thionazin, Tolclofos-methyl, Tralomethrin, Transfluthrin, Triadimefon, Triadimenol, Triallate, Triazophos, Trichloronat, Trifloxystrobin, Trifluralin, Vinclozolin	
3. a) Fruits and vegetables with high water content (stone fruits, pome fruits, fruiting vegetables, leaf vegetables, citrus fruits, root and tuber vegetables, stem vegetables, small fruits, grape, tropical fruits, legume vegetables, brassica vegetables, bulb vegetables, fresh herbs, miscellaneous fruits as referred to Regulations (EU) 396/2005 and (EU) 600/2010) b) Tobacco leaves, wet or dried	Residue-determination of dithiocarbamate agricultural drugs and thiram	Lab-code: MTD pest.100 Method EN 12396-1: 1998 (colorimetry of CS2 complex)
4. Plant origin products with high fat content (more than 5%) (Vegetable oils and fats, oilseeds (sesame seeds, cottonseed, soya, etc.), miscellaneous (olives, avocado, etc.))	Residue-determination of 201 agricultural drugs: acetamiprid, acibenzolar-S-Me, aldicarb, aldicarb sulfone, aldicarb sulfoxide, ametryn, atrazine, azoxystrobin, benalaxy, benomyl, bifenazate, bitertanol, boscalid, bromacil, bromuconazole, bupirimate, buprofezin, cadusaphos, captafol, carbaryl, carbendazim, carbofuran, 3-OH carbofuran, chlordinafop propargyl, chlorgenvinphos, chloridazon, climbazol, clofentezine, clothianidine, coumaphos, 4-CPA, crimidine, cyanazine, cymoxanil, cyproconazol, 2,4D, demeton-S-Me, demeton-S-Me sulfone, desmedipham, desmethyl-pirimicarb, desmethyl-formamido-pirimicarb, desmetyl, diazinon, dichlorprop, dichlorvos, diclobutrazol, dicrotophos, diethofencarb, diflubenzuron, dimethoate, dimethomorph e+z, dimoxystrobin, diniconazol, ditalimfos, diuron, DMST, etaconazol, ethofumesate, ethoprophos, etrimfos, famoxadone, fenbuconazol, fenchexamid, fenoxaprop-P-Et, fenoxy carb, fensulfothion, fenthion, fenthion oxon, fenthion sulfone, fenthion sulfoxide, fipronil, fluazifop-Bu, flubendiamide, fludioxonil, flufenacet, fluopicolide, fluorotrimazol, flusilazol, flutriafol, forchlorfenuron (CPPU), fosthiazate, fuberidazole, furalaxy, heptenophos, hexaconazol, hexaflumuron, hexazinon, imidacloprid, indoxacarb, iodosulfuron-Me, iprovalicarb, isazophos, isopropcarb, isoprothiolane, isoproturon, isoxaflutole, kresoxim-Me, lenacil, linuron, lufenuron, malaoxon, malathion, mandipropamide, MCPA, mecarbam, Mecoprop, mepanipyrim, mepronil, mesosulfuron-Me, metalaxyl, methabenzthiazuron, methacriphos, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfox, methomyl, methoxyfenozide, metolcarb, mevinphos, monocrotophos, myclobutanil, β-naphthoxyacetic acid, napropamide, neburon, nicosulfuron, nitralin, nuarimol, ofurace, omethoate, oxadixyl, oxamyl, oxydemeton-Me, paclobutrazol, paraoxon-Et, paraoxon-Me, parathion-Et, penconazol, phenmedipham, phosalone, phosamidon, phosmet,	Lab-code: MTD pest.25 In house LC-MS/MS, method, based on SANTE DOCUMENT. 11312/2021 and EUR-LFV M6 method

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	<p>picolinafen, picoxystrobin, piperonyl butoxide, pirimicarb, pirimiphos-Et, pirimiphos-Me, prochloraz, profenofos, promecarb, prometryn, propachlor, propanil, propaquizafop, prophan, propiconazol, propoxur, propyzamid, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, pyrimethanil, quinalphos, quizalofop-P-Et, quizalofop-P-tefuryl, rimsulfuron, rotenone, simazine, spirotetramat, sulfentrazone, sulfotep, tebuconazol, tebufenozide, teflubenzuron, tepraloxydim, terbumeton, terbuthryne, terbutylazine, tetrachlorvinphos, tetraconazol, thiabendazol, thiachlorprid, thiamethoxam, thiadicarb, thiofanox, thiofanox sulfone, thiofanox sulfoxide, thiophanate-Me, tolyfluanid, triadimefon, triadimenol, trichlorfon, tricyclazol, trifloxytrobin, triflumizol, triflumuron, triforine, triticonazol, unicornazol-P</p> <p>10 additional agricultural drugs are determined in vegetable oils and fats: acephate, chlroranthraniliprole, cyprodinil, cyromazin, dipropetryn, methamidophos, metribuzin, prosulfocarb, tebufenpyrad, terbacil</p> <p>25 additional agricultural drugs are determined in olives: benthiovalicarb isopropyl, bromoxynil, carfentrazone, chlorantraniliprole, cyazofamid, cyflufenamid, dodine, emamectin benzoate, ethionfencarb, ethirimol, fenamiphos, fluazinam, haloxyfop, imazalil, mesotrione, metrafenone, novaluron, propargite, pymetrozin, spinosynA, spinosynD, spiroxamine, tribenuron-Me, triclopyr, zoxamide</p>	
<p>5. Plant origin products with high fat content (more than 5%) (Vegetable oils and fats, oilseeds (sesame seeds, cottonseed, soya, etc.), miscellaneous (olives, avocado, etc.))</p>	<p>Residue-determination 219 agricultural drugs:</p> <p>2,4 D-ethylhexyl, acetochlor, acibenzolar-S-Me, aclonifen, acrinathrin, alachlor, aldrin, allethrin, amisulbrom, azaconazole, azinphos-Et, azinphos-Me, azoxystrobin, benalaxy, bendiocarb, benfluralin, bifenox, bifenthrin, biphenyl, bitertanol, bromacil, bromocyclem, bromophos (-Me), bromophos-Et, bromopropylate, butafenacil, butralin, carbaryl, chinomethionate (oxythioquinox), chlordane cis, chlordane trans, chlorgenapyr, chlorgenson (ovex), chlorobenzilate, chloroneb, chlorothalonil, chlorpropham, chlorpyriphos (-Et), chlorpyriphos-Me, chlorthal-dimethyl, chlozolinate, clomazon, cloquintocet-mexyl, coumaphos, cyanophos, cyfluthrin, cyfluthrin-β, cyhalothrin-λ, cypermethrin, cypermethrin-α, cyproconazol, cyprodinil, DDD-op', DDD-pp', DDE-pp', DDT-op, DDT-pp', DEET, deltamethrin, diazinon, dichlobenil, dichlofenthion, dichlofluanid, dichlorvos, 4,4-DiClbenzophenone, diclobutrazol, diclofop-Me, dicloran, dieldrin, difenoconazol, diflufenican, dimethenamid, dimethipin, dimethoate, diniconazol, dinitramine, diphenamid, diphenylamine, disulfoton sulfone, endosulfan-α, endosulfan-β, endosulfan sulfate, endrin, EPN, epoxiconazol, EPTC, etaconazol, ethalfluralin, ethion, ethofumesate, ethoxyquin, etofenprox, etridiazol, famoxadone, famphur (famophos), fenamidon, fenarimol, fenchlorphos, fennexamid, fenitrothion, fenoxy carb, fenpropothrin, fenson, fenthion, fenthion sulfone, fenthion sulfoxide, fenvalerate, flonicamid, fluchloralin, flucythrinate, fludioxonil, flumetralin, flumioxazin, flupyradifurone, fluquinconazol, flutianil, flutriafol, fluvalinate-τ, fonofos (dyfonate), formothion, furathiocarb, HCH-α, HCH-β, HCH-γ (lindane), HCH-δ, heptachlor, heptachlor epoxide endo, heptachlor epoxide exo, hexaconazol, indoxacarb, iodofenphos (jodfenphos), ioxynil octanoate, iprobenphos, iprodione, IR3535, isocarbophos, isofenphos, isofenphos-methyl, isopropalin, kresoxim Me, leptophos, malaoxon, malathion, MCPA-ethylhexyl, MCPA-methyl, MCPA-thioethyl, mefenpyr-diethyl, metalaxyl, metazachlor, methacripbos, methidathion, methoprotrothryne, methoxychlor, metolachlor, metribuzin, mevinphos, myclobutanil, nitrailin, nitrapyrin, nitrofen, nitrothal-isopropyl, norflurazon, omethoate, o-phenylphenol, oxadiazon, oxyfluorfen, parathion (-Et), parathion-Me, pebulate, pendimethalin, pentachloroaniline, permethrin, perthan, phenthroate, phorate,</p>	<p>Lab-code: MTD pest.26 Description: in-house, multi-residue method employing gas chromatography GC-MS/MS, based on SANTE document 11312/2021 and EURL-FV M6 method</p>

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	<p>phorate sulfone, phorate sulfoxide phosalone, phosmet, piperonyl buroxide, pirimiphos-Me, procymidone, profenofos, profluralin, propanil, propargite, propazin, propetamphos, propham, propiconazol, prothiophos, pyraclostrobin, pyridalyl, pyridafenthion, pyrifenoxy, quinoxyphen, quintozone, resmethrin, spiromesifen, tebuconazol, tecnazene, tefluthrin, terbacil, terbufos, terbufos sulfone, tetradifon, tetramethrin, thionazin, tolclophos-Me, tralomethrin, transfluthrin, triadimefon, triadimenol, triallate, triazophos, trichloronat, trifloxystrobin, trifluralin, vinclozolin</p> <p>10 additional agricultural drugs are determined in vegetable oils and fats: benfuracarb, captan, carbosulfan, folpet, isodrin, penycuron, pentachloranisole, phthalimide, S421, TH phthalimide</p> <p>1 additional agricultural drug is determined in olives: fenpropimorph</p>	
6a. Fruits and vegetables, cereals and pulses	<p>Residue-determination of polar agricultural drugs: chlorate, chlormequat, ethephon, fosetyl-Al, glyphosate, mepiquat, perchlorate, phosphonic acid, fosetyl</p>	<p>Lab-code: MTD pest.15a Description: in-house, method by LC-MS/MS based on EUR-L -SRM, QuPPe-Method, Version 9.3</p>
6b. Fruits and vegetables, cereals and pulses	<p>Residue-determination of polar agricultural drugs: ethylenothiourea (ETU) & propylenothiourea (PTU)</p>	<p>Lab-code: MTD pest.15b Description: in-house, method by LC-MS/MS based on EUR-L -SRM, QuPPe-Method, Version 9.3</p>
7. High sugar content products (honey, fruit jams, etc)	<p>Residue-determination of agricultural drugs: Amitraz, coumaphos, tau-fluvalinate, malathion, bromopropylate, acrinathrin, 1,4-dichlorobenzene</p> <p>Residue-determination of agricultural drugs: acetamiprid, amitraz and the corresponding metabolites DMF και DMPF, carbendazim, chlorgenvinphos, clothianidin, coumaphos, DEET, flumethrin, imidachloprid, malaoxon, malathion, thiachloprid, thiamethoxam</p>	<p>Lab-code: MTD pest.16 Description: in-house, multi-residue methods employing gas chromatography GC-MS/MS and liquid chromatography LC-MS/MS based on SANTE DOCUMENT 11312/2021 and EUR-L-FV M4 method</p>
8. Milk and honey	<p>Determination of antibiotics: Sulfonamides, tetracyclines, penicillin G, penicillin V, chloramphenicol, trimethoprim, natamycin, flumequine, fumagilline, carbadox</p>	<p>Lab-code: MTD gnr.40 In-house method LC-MS/MS based on J. Agric. Foods Chem., 2008, Vol 56 (5), p.1553-1559 and J. Chromat. B, 2011, Vol.879 (25), p.2601-2610</p>

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
9. Cereals and feeds, meat-fish	Determination of antibiotics: Sulfonamides, tetracyclines, penicillin G, penicillin V, chloramphenicol, trimethoprim, natamycin, flumequine, fumagilline, carbadox	Lab-code: MTD gnr.41 In-house method LC-MS/MS based on AOAC 999.16 and AOAC 977.37
10. Feeds	Determination of coccidiostatics	Lab-code: MTD gnr.110 In-house method LC-MS/MS based on AB SCIEX 2011, Publication number 4482011-01
11. High water content foods, cereals, dairy products	Determination of K, Na, Ca, Mg	Lab-code: MTD Me.11 In-house method AAS based on AOAC 985.35
12. Foods and feeds	Determination of 18 elements (total): Al, As, Ca, Cd, K, Sn, Mn, Mg, Pb, Na, Ni, Se, Fe, Hg, P, Cu, Cr, Zn	Lab-code: MTD Me.81 In-house method, ICP – MS based on a) USFDA, Elemental Analysis Manual, Sect. 4.7, ver.1.2 Feb/2020, (b) EN 17053:2018, (c) EN 15765:2010
13. Milk (fresh, concentrated or solid)	Determination of aflatoxin M1	Lab-code: MTD txn.10 AOAC 2000.08 modified (HPLC / FLD)
14. Raisin, grape, coffee, clover, cereals	Determination of ochratoxin A	Lab-code: MTD txn.20 AOAC 2000.03 modified (HPLC / FLD)
15. Tree nuts-Oil seeds, dried fruits, fruits, vegetables, cereals, seasonings and feeds	Determination of aflatoxins B1, B2, G1, G2	Lab-code: MTD txn.30 AOAC 999.07 modified (HPLC, post-column derivsn. & FLD)
16. Foods	Determination of benzoic and sorbic acids	Lab-code: MTD gnr.10 In-house method by HPLC / DAD
17. Foods, supplements and baby foods	Determination of vitamin C	Lab-code: MTD gnr.11 In-house method by HPLC / DAD based on AOAC 984.26
18. Foods, feeds, supplements and baby foods	Determination of vitamin A and E	Lab-code: MTD gnr.15 In-house method by HPLC / DAD & FLD

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
		based on AOAC 2001.13 and 971.30
19. Foods, feeds, supplements and baby foods	Determination of vitamin D	Lab-code: MTD gnr.16 In-house method by LC-MS/MS based on AOAC 936.14
20. Cereals and pulses	Water and volatile matter content	Lab-code: MTD gnr.50 In-house method in T~130oC based on ISO 712-2009 and ISO 24557-2009
21. Foods, agricultural products	Determination of total nitrogen and protein content	Lab-code: MTD gnr.20 In house, method Kjeldahl, based on method AOAC 2001.14
22. Foods	Determination of fatty mater	Lab-code: MTD gnr.30 In-house method by acid and base hydrolysis based on AOAC 963.15, 933.05, 948.15, 922.06, 905.02
23. Cereals	Determination of Fumonisins B1 & B2	Lab-code: MTD txn.40a In house method (LC-MS/MS)
24. Cereals and feedss	Determination of aflatoxins B1, B2, G1, G2, ochratoxin A (OTA), zearalenone (ZON), deoxynivalenol (DON), diacetoxyscirpenol (DAS), T-2 και HT-2	Lab-code: MTD txn.40b In house method (LC-MS/MS) based on J. Chromatography A, 1062 (2005), p.209-16
25. Foods	Determination of acrylamide	Lab-code: MTD gnr.91 In house method by LC-MS/MS based on J. Critical Reviews in Analytical Chemistry, Vol 44 (2014), p.107-141
26. Water	Determination of acrylamide	Lab-code: MTD gnr.90 In house method (LC-MS/MS)
27. Water drinking, surface (sea water etc.) and ground (drilling etc.) intended for direct or not human consumption	Determination of 29 elements (dissolved): Li, Be, B, Na, Mg, Al, P, K, Ca, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sr, Mo, Ag, Cd, Sn, Sb, Ba, Hg, Tl, Pb	Lab-code: MTD Me.80 (a) ISO 17294-2:2016, (b) USEPA 6020A In-house method ICP – MS

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
28. Water drinking, and ground (drilling etc.)	Determination of volatile halogenated hydrocarbons: Chloroform, bromodichloromethane, dibromochloromethane, bromoform, trichloroethene, tetrachloroethene	Lab-code: MTD gnr.60 In-house method by GC/ECD
29. Water drinking, surface (sea water etc.) and ground (drilling etc.) intended for direct or not human consumption	Determination of 8 PAH's: benzo(a)anthracene, chrysene, benzo(b)fluranthene, benzo(a)pyrene, indeno(1,2,3-c. d) pyrene, dibenzo (a, h) anthracene, benzo (g, h, i) perylene, benzo(k)fluoranthene	Lab-code: MTD gnr.70 In-house method by GC-MS/MS based on USEPA 3510C-(EPA 8270)
30. Water drinking, surface (sea water etc.) and ground (drilling etc.) intended for direct or not human consumption	Determination of polychlorinated biphenyls (PCBs) and polychlorinated terphenyls (PCTs): PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180 & 2,5-dichloro-p-terphenyl, 2,4,6-trichloro-p-terphenyl, 2,3,5,6-tetrachloro-p-terphenyl, 2,3,4,5,6-pentachloro-p-terphenyl	Lab-code: MTD gnr.71 In-house method by GC-MS based on USEPA 8082A
31. Water drinking, surface (sea water etc.) and ground (drilling etc.) intended for direct or not human consumption	Determination of Phenolic compounds: phenol, 2-chlorophenol, 2-nitrophenol, 2,4-dimethylphenol, 2,4-dichlorophenol, 2,6- dichlorophenol, 4-chloro-3-methylphenol, 2,4,6-trichlorophenol, 2,4-dinitrophenol, 4- nitrophenol, 2,3,4,6-tetrachlorophenol, pentachlorophenol, 2-methyl-4,6- dinitrophenol	Lab-code: MTD gnr.72 In-house method by GC-MS/MS based on USEPA 528
32. Water drinking, surface (sea water etc.) and ground (drilling etc.) intended for direct or not human consumption	Residue-determination of 301 agricultural drugs: abamectin, acephate, acetamiprid, acetochlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, ametoctradin, ametryn, amitraz, atrazine, azadirachtin Na, azoxystrobin, benalaxyl, bendiocarb, benthiovalicarb isopropyl, bifenazate, bitertanol, boscalid, bromacil, bromoxynil, bromuconazole, bupirimate, buprofezin, butocarboxim, butocarboxim sulfoxide, cadusaphos, carbaryl, carbendazim, carbofenothion, carbofuran, carbofuran,3-OH, carboxin, carfentrazoneEt, chlorantraniliprole, chlorfenvinphos, chloridazon, chlorosulfuron, chlorpyriphos (-Et), chlorpyriphos-Me, cinerin I, cinerin II, clethodim, climbazol, clodinafop propargyl, clofentezine, clothianidine, coumaphos, crimidine, cyanazine, cyazofamid, cycloate, cycloxydim, cyflufenamid, cyproconazol, cyprodinil, cyromazin, DEET, demetonO/S, demeton-S-Me, demeton-S-Mesulfone, desmethryne, diazinon, dibrom (naled), dichlorvos, diclobutrazol, dicrotophos, diethofencarb, difenoconazol, diflubenzuron, dimefox, dimethoate, dimethomorph e+z, dimoxystrobin, diniconazol, dinotefuran, dipropetryn, disulfoton sulfone, disulfoton sulfoxide, diuron, DMF, DMPF, DMST, dodemorph, dodine, emamectin benzoate, etaconazol, ethionfencarb, ethiofencarb sulfoxide, ethirimol, ethofumesate, ethoprophos, etofenprox, etoxazol, etrimfos, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenazaquin, fenbuconazol, fennexamid, fenoxaprop-P-Et, fenoxycarb, fenpropidin, fenpyroximate, fensulfofuran, fenthion, fenthion oxon, fenthion sulfone, fenthion sulfoxide, fipronil, fipronil sulfone, florasulam, fluazifop, fluazifop-Bu, fluazinam, flubendiamide, fludioxonil, flufenacet, flufenoxuron, fluometuron, fluopicolide, fluopyram, fluorotrimazol, flusilazol, flutianil, flutolanil, flutriafol, fluxapyroxad, forchlorfenuron (cppu), fosthiazate, fuberidazol, furalaxy, furathiocarb, haloxyfop, haloxyfop-p-Me, heptenophos, hexaconazol, hexaflumuron, hexazinon, hexythiazox, imazalil, imidacloprid, indoxacarb, iodosulfuron Me, ioxynil, iprovalicarb, isazophos, isofetamid, isoprocarb, isoprothiolane, isoproturon, isoxaflutole, kresoxim Me, lenacil, linuron, lufenuron, malaoxon, malathion, mandipropamide, mecarbam, mepanipyrim, mepronil,	Lab-code: MTD pest.35 in-house LC-MS/MS method based on USEPA 3510C

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	mesosulfuron Me, metaflumizone, metalaxyl, metconazole, methabenzthiazuron, methamidophos, methidathion, methiocarb, methiocarb sulfoxide, methomyl, methoprene, methoxyfenozide, metolcarb, metrafenone, metribuzin, metsulfuron, mevinphos, monocrotophos, monolinuron, myclobutanil, napropamide, neburon, nicosulfuron, nitenpyram, novaluron, nuarimol, ofurace, omethoate, oxadixyl, oxamyl, oxathiapiprolin, oxydemeton-Me, paclobutrazol, paraoxon-Et, paraoxon-Me, pebulate, penconazol, penthiopyrad, phenyl-N urea, phorate, phorate sulfone, phorate sulfoxide, phosalone, phosphamidon, phoxim, picaridin, picolinafen, picoxystrobin, pinoxaden, piperonyl butoxide, pirimicarb, pirimicarb-desmethyl-formamide, pirimicarb-desmethyl, pirimiphos-Et, pirimiphos-Me, prochloraz, profenos, profoxydim, promecarb, prometryn, propachlor, propamocarb, propanil, propaquifafop, propargite, prophan, propiconazol, propoxur, propyzamid, proquinazid, prosulfocarb, pymetrozin, pyraclostrobin, pyrazophos, pyrethrin I, pyrethrin II, pyridaben, pyrimethanil, pyriofenone, pyriproxyfen, pyroxasulam, quinalphos, quinoxynphen, quizalofop-p-Et, quizalofop-p-tefuryl, resmethrin, rimsulfuron, rotenone, sethoxydim, simazine, spinosynA, spinosynD, spinosynJ, spinosynL, spirodiclofen, spirotetramat, spirotetramat-monoOH, spiroxamine, sulfentrazone, sulfotep, sulfoxaflor, sulprophos, tebuconazol, tebufenozyde, tebufenpyrad, teflubenzuron, tepraloxydim, terbufos sulfone, terbufos sulfoxide, terbumeton, terbuthryne, terbutylazine, tetrachlorvinphos, tetaconazol, thiabendazol, thiachlorprid, thiamethoxam, thifensulfuron-Me, thiodicarb, thiofanox, thiofanox sulfone, thiofanox sulfoxide, thiophanate-Me, tolfenpyrad, tralkoxydim, triadimefon, triadimenol, triasulfuron, tricyclazol, trifloxyystrobin, triflumizol, triflumuron, triforine, triticonazol, uniconazol-P, valifenalate, vamidothion, zoxamide	
33. Water drinking, surface (sea water etc.) and ground (drilling etc.) intended for direct or not human consumption	Residue-determination of 166 agricultural drugs: acibenzolar-S-Me, aclonifen, acrinathrin, alachlor, aldrin, amitraz, azaconazol, azinphos-Et, azinphos-Me, benalaxyl, benfluralin, benfuracarb, bifenox, bifenthrin, bitertanol (2p), bromacil, bromocycleen, bromophos Et, bromophos Me, bromopropylate, butafenacil, carbaryl, chlordane cis, chlordane trans, chlorfenapyr, chlorgenson (ovex), chlorbenzilate, chlorpropham, chlorpyriphos (-Et), chlorpyriphos-Me, chlorthal-dimethyl, clomazon, cloquintocet-mexyl, cyanophos, cyfluthrin (4p.), cyfluthrin-β, cyhalothrin-λ, cypermethrin (4p.), cypermethrin-α, cyproconazol, DDD-op', DDD-pp', DDE-pp', DDT-op, DDT-pp', deltamethrin, diazinon, dichlofenthion, dichlofuanid, dichlorvos, 4,4-DiClbenzophenone, diclobutrazol, dicloran, dieldrin, difenoconazol, diflufenican, dimethenamid, dimethoate, diniconazol, diphenamid, diphenylamine, endosulfan sulfate, endosulfan a-, endosulfan b-, endrin, EPN, epoxiconazol, etaconazol, ethalfluralin, ethion, ethofumesate, etofenprox, famoxadone, famphur (famophos), fenamidon, fenarimol, fenchlorphos, fenitrothion, fenpropothrin, fenpropimorph, fenson, fenthion, fenthion sulfone, fenthion sulfoxide, fenvalerate (2p.), fluchloralin, flucythrinate, flumioxazin, fluquinconazol, flutriafol, fluvalinate-τ, fonofos ((dyfonate)), HCB, HCH delta, HCH-α, HCH-β, HCH-γ, heptachlor, heptachlor epox. endo, heptachlor epox. exo, iprobenphos, iprodione, isocarbophos, isodrin, isofenphos, isofenphos-methyl, jodfenphos, leptophos, malaoxon, malathion, mefenpyr-diethyl, metalaxyl, metazachlor, methacriphos, methidathion, methoprottryne, methoxychlor, metolachlor, metribuzin, mevinphos, myclobutanil, nitralin, nitrofen, nitrothal-isopropyl, norflurazon, o-phenylphenol, oxadiaxon, oxyfluorfen, parathion (-Et), parathion-Me, pendimethalin, permethrin (2p.), perthan, phentoat, phorate, phosalone, phosmet, piperonyl butoxide, pirimiphos-Me, procymidone, profluralin, propanil, propazin, propetamphos, prophan, prothiophos, pyridafenthion, pyrifenoxy (2p.), quinoxynphen, quintozen, spiromesifen, tebuconazol, tefluthrin, terbacil, terbufos, tetradifon, tetramethryne, tetrasul,	Lab-code: MTD pest.36 In-house method by GC-MS/MS based on USEPA 3510C

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	tolclophos Me, transfluthrin, triadimefon, triallat, triazophos, trichloronate, trifluralin, vinclozolin	
34. Vegetable oils and fats	Determination of 15 plasticizers: butylbenzyl phthalate BBP, dibutyl adipate DBA, dibutyl phthalate DBP, diethyl adipate DEA, diethyl phthalate DEP, diethylhexyl adipate DEHA, diethylhexyl phthalate DEHP, diisobutyl adipate DIBA, diisobutyl phthalate DIBP, diisodecyl phthalate DIDP, diisononyl phthalate DINP, dimethyl phthalate DMP, dioctyl phthalate DOP, tributyl acetyl citrate TBAC, tributyl phosphate TBP	Lab-code: MTD gnr.80 In-house method by GC-MS/MS
35. Tobacco leaves, wet or dried	Residue-determination of 86 agricultural drugs: 2,4,5-T, 2,4-D, 3-OH carbofuran, acephate, acetamiprid, aldicarb, aldicarb sulfone, aldicarb sulfoxide, azoxystrobin, benalaxyl, carbaryl, carbendazim, carbofuran, chlorantraniliprole, chlorgenvinphos, clothianidine, cymoxanil, cyprodinil, demetonSMe, demetonSMesulfone, desmethyl-formamido-pirimicarb, desmethyl-pirimicarb, diazinon, dibrom (naled), dicamba, dichlorvos, diflubenzuron, dimefox, dimethoate, dimethomorph e+z, emamectin, ethoprophos, fenamiphos, fensulfothion, fenthion, fenthion oxon, fenthion sulfone, fenthion sulfoxide, fluazifop-P-Bu, flubendiamide, fludioxonil, fluopicolide, imidacloprid, indoxacarb, malaoxon, malathion, metaflumizone, metalaxyl + metalaxyl-M, methamidophos, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methoprene, mevinphos (2p), monocrotophos, napropamide, omethoate, oxadixyl, oxamyl, oxydemeton-Me, paraoxon Et, paraoxon-Me, pebulate, penconazol, phosalone, phosmamidon, phoxim, piperonyl butoxide, pirimicarb, pirimiphos-Me, profenofos, propoxur, pymetrozin, pyrethrin I, pyrethrin II, spirotetramat, tetrachlorvinphos, thiachloprid, thiamethoxam, thiophanate-Me, triadimefon, triadimenol, trichlorfon, triflumuron, vamidothion	Lab-code: MTD pest.13 in-house LC-MS/MS method, based on SANTE DOCUMENT 11312/2021 and EUR-LFV M4 method
36. Tobacco leaves, wet or dried	Residue-determination of 88 agricultural drugs: acibenzolar-S-Me, alachlor, aldrin, azinphos-Et, azinphos-Me, benalaxyl, benfluralin, bifenthrin, bromophos-Me, butralin, carbaryl, chinomethionate, chlordane cis, chlordane trans, chlorothalonil, chlorpyriphos (-Et), chlorpyriphos-Me, chlorthal-dimethyl, clomazon, cyfluthrin (4isom), cyfluthrin-β, cyhalothrin-λ, cypermethrin (4isom), cypermethrin-α, DDD-op', DDD-pp', DDE-pp', DDT-op, DDT-pp', deltamethrin, diazinon, dibromochloropropane, dichlorvos, dicloran, dieldrin, dimethoate, diphenamid, disulfoton, endosulfan-α, endosulfan-β, endosulfan sulfate, endrin, etridiazol, famoxadone, fenamidon, fenchlorphos, fenitrothion, fenthion, fenthion sulfone, fenthion sulfoxide, fenvalerate, flucythrinate, flumetralin, fonofos, formothion, HCH-α, HCH-β, HCH-γ, HCH-δ, heptachlor, heptachlor epoxide endo, heptachlor epoxide exo, hexachlorobenzene (HCB), iprodione, isopropalin, malaoxon, malathion, methidathion, methoprene, methoxychlor, metolachlor, mevinphos, mirex, nitrofen, parathion (-Et), parathion-Me, pebulate, pendimethalin, permethrin, phorate, phosalone, piperonyl butoxide, pirimiphos-Me, tefluthrin, terbufos, thionazin, tralomethrin, trifluralin	Lab-code: MTD pest.14 In house GC-MS/MS, method, based on SANTE DOCUMENT 11312/2021 and EUR-LFV M4 method
37. Cereals	1. Determination of ochratoxin A	In house method E XM001/HPLC/FD
	2. Determination of aflatoxin G1, G2, B1, B2	In house method E XM002/HPLC/FD
38. Dried nuts	Determination of aflatoxin G1, G2, B1, B2	In house method E XM003/HPLC/FD

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
39. Milk	Determination of aflatoxin M1	In house method E_XM037/HPLC/FD
40. Honey	1. Determination of diastase activity	In house method E_XM004 based on: International Honey Commission 6.2 Phadebas
	2. Determination of HMF (hydroxymethylfufural) in honey	In house method E_XM041 based on: J.W. White: Spectrophotometric Method for Hydroxymethylfufural in Honey, J. Ass. Off. Anal. Chem. 62, 509 (1979)
	3. Thyme pollen analysis	In house method E_XM029 based on: Methods of Melissopalynology J. Louveaux, Anna Maurizio & G. Vorwohl
	4. Sugars	In house method E_XM044 based on AOAC 977.2
41. Meat and meat products	1. Determination of Fat	In house method E_XM017 based on: ISO 1443:1973
	2. Determination of Total Nitrogen (Kjeldahl)	In house method E_XM015 based on: ISO 937:1978
	3. Determination of NO ₂ -	In house method E_XM030 based on: ISO 2918:1975
	4. Determination of NO ₃ -	In house method E_XM030 based on: ISO 3091:1975
	5. Determination of Ash	In house method E_XM036 based on: Method C.2/ Food and Drink Code Part B
	6. Determination of Moisture and Dry total matter	In house method E_XM040 based on: Method C.1/ Food and Drink Code Part B
	7. Determination of Sodium Chloride (NaCl)	In house method E_XM039 based on CGL-SLT.03 AOAC
	8. Sugars	In house method E_XM043 based on AOAC 977.20

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
42. Foods except for alcoholic beverages, wines, grapes, blueberries and vinegar	Determination of sulphur dioxide	In house method E_XM035 based on: Method D2/ Food and Drink Code Part B Volumetrically
43. Foods except for baby foods and fats-oils	1.Determination of Cd	In house method E_XM045 based on EN 13805:2014
	2.Determination of Pb	In house method E_XM087 based on EN 13805:2014
44. Foodstuffs	1. Determination of Acrylamide	In house method E_XM025 based on Journal of Chromatography A, 1116 (2006) 209-216
	2. Determination of Ascorbic Acid	In house method E_XM088
45. Juices, Fruit Products, Vegetables and Soft Drinks	Determination of Benzoic and/or Sorbic acid	In house method E_XM034 based on ISO 22855:2008
46. Surface waters	Determination of Cd	In house method E_XM009 by AAS
47. Potable waters	1. Determination of Conductivity	In house method E_XM012 based on APHA 2510
	2. Determination of Nitrate ions in drinking and ground water	In house method E_XM019 based on APHA 4500-NO3 B
48. Olive oil, pomace oil and edible plant oils	1. Determination of free fatty acids - Cold method (acidity)	COI/T.20/Doc. No 34/Rev. 1 2017
	2. Determination of peroxide value	COI/T.20/Doc. No 35/Rev. 1 2017
	3. UV-Spectrophotometric analysis (coefficients K232, K270, ΔK)	COI/T.19/Doc. No 19/Rev. 5 2019
	4. Determination of sterols	In house method E_XM079 based on COI/T.20/ Doc. No 26/Rev. 5 June 2020
49. Ceramic articles intended to come into contact with foodstuffs	1. Determination of Specific migration of Lead (Pb)	In house method E_XM060 based on the Article 25 of Food and Drink Code
	2. Determination of Specific migration of Cadmium (Cd)	In house method E_XM060 based on the Article 25 of Food and Drink Code
50. Paper - Cardboard	1. Determination of Lead (Pb) content	In house method E_XM051 based on the Article 24 of Food and Drink Code

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	2. Determination of Cadmium (Cd) content	In house method E_XM051 based on the Article 24 of Food and Drink Code
	3. Determination of Mercury (Hg) content	In house method E_XM085 based on the Article 24 of Food and Drink Code
	4. Determination of Pentachlorophenol (PCP)	In house method E_XM084 based on 15320:2011
	5. Determination of extractable metals Lead (Pb) and Cadmium (Cd)	In house method E_XM084 based on BfR XXXVI
51. Packaging materials intended to come into contact with foodstuffs	1. Overall migration into aqueous food simulants (A, B, C) and in food simulant D1 (50% Ethanol) by total immersion.	EN 1186-3:2022
	2. Overall migration into aqueous food simulants (A, B, C) and in food simulant D1 (50% Ethanol) by cell.	EN 1186-5:2022
	3. Overall migration into aqueous food simulants (A, B, C) and in food simulant D1 (50% Ethanol) by article filling.	EN 1186-9:2022
	4. Overall migration, into simulant D2 (vegetable oil) by total immersion.	EN 1186-2:2022
	5. Overall migration, into simulant D2 (vegetable oil) by cell.	EN 1186-4:2022
	6. Overall migration, into simulant D2 (vegetable oil) by article filling.	EN 1186-8:2022
	7. Test methods for 'substitute tests' for overall migration from plastic materials and articles intended to come into contact with fatty foodstuffs using simulant D2 (ethanol 95% and Isooctane) by total immersion, cell and article filling.	EN 1186-14:2022
	8. Overall migration to simulant E (poly(2,6-diphenyl-p-phenylene oxide - Tenax®))	EN 1186-13:2002 & EN 14338:2003
	9. Determination of specific migration of Lead (Pb), and Cadmium (Cd) in simulant B (3% Acetic acid)	In house method E_XM086 based on EN1186:2022
	10. Determination of specific migration of Phthalates in simulant D2 (Vegetable Oil): DBP: Dibutyl Phthalate BBP: Benzyl-butyl Phthalate DEHP: Bis (2-ethylhexyl) phthalate DEHA: Dicyclohexyl Phthalate	In house method E_XM089 based on EN1186:2022
	11. Semi-quantitative determination of specific migration of semi-volatile substances in simulant 95% Ethanol.	In house method E_XM090 based on EN1186:2022
52. Solid industrial waste and by-products	A12 Test – Flammability (contact with water)	In house method E_XM026 based on Council Regulation (EC) No 440/2008
53. Waste waters	1. Determination of Total Suspended Solids (TSS)	In house method E_XM013 based on APHA 2540 D

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
	2. Determination of Chemical Oxygen Demand (COD)	In house method E_XM018 based on APHA 5220 D
Microbiological Tests		
1. Foodstuffs	1. Enumeration of beta –glucuronidase – positive Escherichia coli	ISO 16649-2:2001
	2. Enumeration of coagulase – positive staphylococci (<i>Staphylococcus aureus</i> and other species)	ISO 6888-1:2021
	3. Enumeration of Enterobacteriaceae. Colony count technique	ISO 21528-2:2017
	4. Enumeration of the total aerobic microorganisms at 30°C	ISO 4833-1:2013 ISO 4833-2:2013
	5. Detection of <i>Listeria monocytogenes</i>	ISO 11290-1:2017
	6. Detection of <i>Listeria</i> spp.	ISO 11290-1:2017
2. Foodstuffs with aw ≤ 0,95	Enumeration of yeasts and moulds	ISO 21527-2:2008
3. Foodstuffs with aw > 0,95	Enumeration of yeasts and moulds	ISO 21527-1:2008
4. Food and animal feed	Detection of <i>Salmonella</i> spp.	ISO 6579-1: 2017/ Amd 1:2020
5. Canned food and similar products, preserved in glass and paper container.	Stability testing	NF V 08 – 408: 1997
6. Foodstuffs, canned food and similar products Ready to eat food	1. Enumeration of total coliform bacteria	ISO 4832:2006
	2. Enumeration of <i>Clostridium perfringens</i>	ISO 7937:2004
	3. Enumeration of <i>Clostridia</i> sulfate	ISO 15213:2003
	4. Enumeration of <i>Bacillus cereus</i>	ISO 7932:2004
7. Potable water	1. Enumeration of the total aerobic microorganisms at 22 ± 2 °C and 36 ± 2 °C	ISO 6222:1999
	2. Detection and enumeration of <i>Escherichia coli</i> and total coliform bacteria	ISO 9308-1:2014/Amd.1:2016
	3. Detection and enumeration of <i>Pseudomonas aeruginosa</i>	ISO 16266-2:2006
	4. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
8. Faecal materials and samples of the primary production stage	Detection of <i>Salmonella</i> spp.	ISO 6579-1: 2017/ Amd 1:2020
9. Environmental samples – surface samples (swab)	1.Detection of <i>Salmonella</i> spp.	ISO 6579-1: 2017/ Amd 1:2020
	2.Detection of <i>Listeria monocytogenes</i>	ISO 11290-1:2017
	3.Detection of <i>Listeria</i> spp.	ISO 11290-1:2017

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Biological Tests		
1. Soya: Seeds, foods (seeds, flour, processed), foods with high fat content (lecithin, unprocessed oils), feeds	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter, nopaline synthase terminator (NOS), CTP2-CP4EPSPS construct, PAT gene and BAR gene.	Lab-code: MTD GMO.10 In-house method by Real Time PCR based on: a) ISO 21569:2005/ Amd1:2013 b) ISO 21570:2005 and c) Grohmann L. et al, J Agric Foods Chem 2009, 57:8913-8920 d) Verginelli D. et al, JSci Foods Agric (2020); 100: 2121-9
2. Maize: Seeds, foods (seeds, flour, processed), feeds		DNA extraction with CTAB method (ISO 21571:2005). DNA extraction from Foods with high fat content: hexane method (Wurz A. et al, Dtsch. Lebensm. Rundsch. 1998, 94 pp. 159–161).
3. Cotton: Seeds, feeds	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter, nopaline synthase terminator (NOS), CTP2-CP4EPSPS construct, PAT gene and BAR gene.	Lab-code: MTD GMO.11 In-house method by: Real Time PCR based on: a) ISO 21569:2005/ Amd1:2013 and b) EUR 24526 EN c) Grohmann L. et al, J Agric Foods Chem 2009, 57:8913-8920 d) Verginelli D. et al, JSci Foods Agric (2020); 100: 2121-9 DNA extraction with CTAB method (ISO 21571:2005)
4. Rice: Foods (rice, flour, processed), feeds	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter	Lab-code: MTD GMO.12 In-house method by Real-Time PCR based on: a) ISO 21570:2005 b) CRL VL05/04VP Community Reference Laboratory for GM Foods and Feedss (09/06/06) and DNA extraction with CTAB method (ISO 21571:2005)

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
5. Maize: Seeds, foods (seeds, flour, processed), feeds	Quantification of CaMV 35S promoter in maize	Lab-code: MTD GMO.20 In-house method by Real-Time PCR based on ISO 21570:2005. DNA extraction with CTAB method (ISO 21571:2005)
6. Soya: Seeds, foods (seeds, flour, processed), foods with high fat content (lecithin, unprocessed oils), feeds	Quantification of genetically modified Roundup Ready Soya (GTS 40-3-2)	Lab-code: MTD GMO.21 In-house method by Real-Time PCR based on ISO 21570:2005. DNA extraction with CTAB method (ISO 21571:2005). DNA extraction from Foods with high fat content: hexane method (Wurz A. et al, Dtsch. Lebensm. Rundsch. 1998, 94 pp. 159–161)
7. Feeds and raw materials for feedss	Detection of ruminant DNA	Lab-code: MTD ANML.20 In-house method by Real-Time PCR based on EURL-AP Standard Operating Procedures
8. Meat and meat products, feeds	Detection of Horse DNA	Lab-code: MTD ANML.10 In-house method by Real-Time PCR based on Laube I. et al, Int J Foods Sci Technol (2007);42:9-17 and Jonker K.M. et al, Food Addit Contam (2008);25(5): 527-533
9. Meat and meat products, feeds	Detection of Pork DNA	Lab-code: MTD ANML.30 In-house method by Real-Time PCR based on Laube I. et al, Int J Foods Sci Technol (2007);42:9-17 and Koppel R. et al, Eur Food Res Technol (2008) 227:1199-1203
10. Meat and meat products, feeds	Detection of Chicken DNA	Lab-code: MTD ANML.40 In-house method by Real-Time PCR based on Laube I. et al, Int J Foods Sci Technol (2007);42:9-17 and Jonker K.M. et al, Food Addit Contam (2008);25(5): 527-533

Materials / products tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
11. White cheese (feta)	Semi-quantitative determination of cow milk by Real-Time PCR	Lab-code: MTD ANML.50 In-house method by Real-Time PCR
Immunochemical Tests		
1. Foods	1. Quantification of gluten	Lab-code: MTD ALGN.10 1. ELOT EN 15633.01: 2019. Enzyme immunoassay (Ridascreen gliadin, R-Biopharm, AOAC RI 120601)
2. Foods	2. Detection and quantification of hazelnut	Lab-code: MTD ALGN.20 ELOT EN 15633.01:2019, ELOT EN 15633.02:2013
Sensory tests		
1. Packaging Materials	Methods for assessing modifications to the flavor of foodstuffs due to packaging materials	ISO 13302:2003
2. Foodstuffs	Sensory Analysis – Assessment (determination and verification) of the shelf life of foodstuffs	ISO 16779:2015
3. Olive Oil	Organoleptic assessment of virgin olive oil	COI/T.20/Doc. No 15/Rev. 10 2018

Site of asseseement: **Laboratory permanent premises, 10 Nikita Str., Piraeus, Greece.**

Approved signatories: **I. Masavetas, M. Vamvaka, Ath. Alexandropoulou, Ap. Enotiadis, P. Poulimenakos, S. Megremi, I. Vasilakopoulou, A. Haralabakopoulos, L. Fountas**

This scope of Accreditation replaces the previous one, dated 06.03.2023.

The Accreditation Certificate No. **195-9**, according to ELOT EN ISO/IEC 17025:2017, is valid until 08.03.2025.

Athens, 11th of January 2024

