## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



**FACILITY: THESSALONIKI**
**LABORATORY: FOOD NUTRITIONAL VALUE**

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 1. Food | 1. Determination of Moisture – Total Solid | 03/10/2025 | 03/10/2025 | In-house method based on: 925.10 / 926.07 / 948.12 / 950.46 948.12 / 925.23 / 920.115 / 920.116 / 941.08 (AOAC Latest Edition) ISO 712:2024 / ISO 24557 / ISO 13580 / ISO 6540:2021 Code of Food & Beverage |
| | 2. Determination of Ash | 03/10/2025 | 03/10/2025 | In-house method based on: 923.03 / 925.11 / 930.22 / 945.46 935.42 / 920.153 / 930.05 / 940.26 / 945.46 / 938.08 / 925.51 / 920.117 (AOAC Latest Edition) ISO 2171:2023 |
| | 3. Determination of Total Fats | 03/10/2025 | 03/10/2025 | In-house method based on: 922.06 / 935.38 / 925.12 / 945.44 989.05 / 933.05 / 989.05 / 938.06 952.06 / 932.06 / 995.19 (AOAC Latest Edition) ISO 1443: 1973 |
| | 4. Determination of Proteins | 03/10/2025 | 03/10/2025 | In-house method based on: 920.87 / 928.08 / 991.20 / 940.25 / 984.13 (AOAC Latest Edition) ISO 20483:2013 |
| | 5. Determination of Dietary Fibers | 03/10/2025 | 03/10/2025 | In-house method based on: 985.29 (AOAC Latest Edition) |
| | 6. Calculation of Carbohydrates | 02/06/2025 | 02/06/2025 | Calculation from difference (AOAC 986.25) |
| | 7. Calculation of Energy | 02/06/2025 | 02/06/2025 | Calculation based on Regulation 1169/2011 |
| 2. Milk, Cheese, Yogurt, deserts and yogurt products | 1. Calculation of Fat-Free Dry Matter (FFDM) | 02/06/2025 | 02/06/2025 | Calculated |
| | 2. Fat on dry matter | 02/06/2025 | 02/06/2025 | Calculated |
| 3. Meat and Meat Products | 1. Determination of nitrate and nitrite salts (with Discrete analyzer) | 08/11/2022 | 08/11/2022 | O.07.155 - Internal Method with Discrete Analyzer AQ300 EPA-126-D Rev3 |
| 4. Kiwi | 1. Determination of Moisture / dry matter | 9/9/2019 | 9/9/2019 | O.07.151 Modified based on Greek Food Codex |
| | 2. Determination of dry matter | 24/9/2021 | 24/9/2021 | O.07.151 Method based on OECD / Guidelines on Objective Tests to Determine Quality of Fruit and Vegetables, Dry and Dried Produce and Reg. (EC) 543/2011 |
| 5. Food (except baby food) | 1. Determination of 7 metals using ICP-MS: Sn, Cd, Ni, Co, Cr, As, Hg | 30/06/2016 | 19/12/2019 | O.07.138 Modified method based on 2013.06 (AOAC Lat. Ed.), complying to the performance criteria of Regulation (EC) 333/2007 and modifications thereof |
| | 2. Determination of **9** elements using ICP-MS: Ca, Mg, K, Na, Cu, Fe, Zn, Mn, P | 30/06/2016 | 19/12/2019 | O.07.138 Modified method based on 2013.06 (AOAC Lat. Ed.) |
| | 3. Calculation of NaCl | 02/06/2025 | 02/06/2025 | Calculated according to Regulation (EU) No 1169/2011 |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 6. Food included Milk (except baby food) | Determination of Lead (Pb) using ICP-MS | 30/06/2016 | 28/09/2023 | O.07.138 Modified method based on 2013.06 (AOAC Lat. Ed.) |
| 7. Edible oils | Determination of 4 metals using ICP- MS: Pb, Cu, As, Fe | 30/06/2016 | 19/12/2019 | O.07.138 Modified method based on 2013.06 (AOAC Lat. Ed.) |
| 8. Food | 1. Determination of Sorbic Acid | 10/09/2012 | 11/03/2015 | O.07.134 Modified method based on ISO 22855:2008 |
| | 2. Determination of Benzoic Acid | 10/09/2012 | 11/03/2015 | O.07.134 Modified method based on ISO 22855:2008 |
| | 3.a Determination of Sulfur Dioxide ($SO_2$), (HACH) | 10/09/2012 | 11/03/2015 | O.07.136 Modified method based on 990.28 (AOAC Latest Edition) |
| | 3.b Determination of Sulfur Dioxide ($SO_2$) (with Discrete analyzer) | 08/11/2022 | 08/11/2022 | O.07.136 - Modified method based on AOAC 990.28 and with Discrete Analyzer D06736_06 insert |
| 9. Cereals and their products | 1. Determination of Moisture | 18/05/2015 | 18/05/2015 | O.07.140 Method based on ISO 712-1:2024 and ISO 24557 |
| | 2. Determination of Ash | 18/05/2015 | 18/05/2015 | O.07.141 Modified method based on ISO 2171:2023 |
| | 3. Determination of Fat Content | 18/05/2015 | 18/05/2015 | O.07.143 Modified method based on Regulation (EK) 152/2009 |
| | 4. Determination of Proteins | 18/05/2015 | 31/08/2021 | O.07.142 Method based on ISO 20483:2013 |
| | 5. Determination of Dietary Fibres | 18/05/2015 | 18/05/2015 | O.07.144 Modified method based on 985.29 (AOAC Latest Edition) |
| 10. Cereal, bakery products, yeast products and related products | 1. Determination of Propionic acid | 29/06/2020 | 29/06/2020 | O.07.152 (HPLC-DAD) Modified method based on Beuth 17.00 14 |
| 11. Animal feed | 1. Determination of Moisture | 31/08/2021 | 31/08/2021 | O.07.120 Method based on ISO 6496:2017 |
| | 2. Determination of Ash | 31/08/2021 | 31/08/2021 | O.07.121 Method based on ISO 5984:2022 |
| | 3. Determination of Fat Content | 31/08/2021 | 31/08/2021 | O.07.123 Method based on ISO 6492:2017 |
| | 4. Determination of Proteins | 31/08/2021 | 31/08/2021 | O.07.122 Method based on ISO 5983-2:2012 |
| | 5. Determination of crude fiber | 31/08/2021 | 31/08/2021 | O.07.115 Method based on ISO 6865:2001 |
| | 6. Determination of **16** metals and elements using ICP-MS Pb, Cd, Ni, Co, Cr, As, Hg, Ca, Mg, K, Na, Cu, Fe, Zn, Mn, P | 30/06/2016 | 19/12/2019 | O.07.138 Modified method based on 2013.06 (AOAC Lat. Ed.) |

**LABORATORY: QUALITY CONTROL OF PLANT PROTECTION PRODUCTS AND FERTILISERS**

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 1. Liquid and solid formulations of plant protection products. | 1. Quantitative determination of the active substances **Acetamiprid** (SG & SP) and **Dimethoate** (EC) using HPLC | 24/04/2019 | 24/04/2019 | O.08.301 Modified method based on CIPAC L, 649/TC/M/2.1 (HPLC-DAD) |
| | 2. Quantitative determination of the active substance **Etofenprox** (EC) using GC | 24/04/2019 | 24/04/2019 | O.08.302 Modified method based on CIPAC G, 471/TC/M/2.1 (GC-FID) |

**LABORATORY: FOOD CONTAMINANTS**

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 1. Fruits and Vegetables with high water content<br><br>(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)187/2006 ) | 1. Determination of **318** pesticide residues<br><br>2.3.5-Trimethacarb, 2-Phenylphenol, 4,4'-Dichlorobenzophenon, Acetochlor, Acibenzolar-S-methyl Aclonifen, Acrinathrin, Alachlor, Aldrin, Alpha-HCH, Ametryn Anthraquinoe, Atrazine, Azoxystrobine, Benalaxyl, Benfluralin, Beta-HCH, Bifenazate, Bifenthrin, Biphenyl, Bitertanol, Boscalid, Bromocyclen, Bromophos methyl, Bromophos-ethyl, Bromopropylate Bromuconazole Bupirimate, Buprofezin, Butafenacil, Butralin, Cadusafos, Carbofuran, Carbophenothion, Carbophenothion methyl, Carboxin, Chionomethionat, Chlorantraniliprole, Chlorbensid, Chlorbufam, Chlordane cis, Chlordane trans, Chlorfenapyr Chlorfenprop Methyl, Chlorfenson, Chlormefos, Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorotoluron, Chlorpropham, Chlorpyrifos ethyl, Chlorpyrifos-methyl, Chlorthal-dimethyl, Chlorthion, Chlozolinate, Clethodim, Clodinafop-propargyl, Clofentezine, Clomazon, Cloquintocet-mexyl, Coumaphos, Cyanazine, Cyanofenphos, Cyanophos, Cycloate, Cyfluthrin, Cyhalofop-butyl, Cypermethrin, Cyproconazol, Cyprodinil, DDD 4,4, DDD-2.4, DDE 4,4, DDE-2.4, DDT 2,4, DDT 4,4, DEET, Deltamethrin, Demeton-O, Demeton-S, Demeton-S-methyl, Desmetryn, d-HCH, Diafentiuron, Diazinon, Dichlobenil, Dichlofenthion, Dichloran, Dichlorvos, Diclobutrazol, Diclofluanid, Diclofop Methyl, Dicofol, Dieldrin, Diethofencarb, Difenoconazol, Diflufenican, Dimethomorph, Diniconazole, Dinobuton, Dioxabenofos (Salithion), Diphenamid, Diphenyl sulfide, Diphenylamine, Dipropethrin, Disulfoton, Disulfoton sulfone, Disulfoton sulfoxide, Ditalimfos, Endosulfan a, Endosulfan b, Endrin , EPN, Epoxiconazole, EPTC, Esfenvalerate, Etaconazole, Ethafluralin, Ethion, Ethofumesate, Ethoprophos, Etofenprox, Etridiazole, Etrimfos, Famoxadone, Fenamidone, Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazole, Fenchlorphos, Fenfluthrin, Fenhexamid Fenitrothion, Fenobucarb, Fenoxaprop P ethyl, Fenpiclonil, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenson, Fensulfothion, Fenthion, Fenthoate, Fenvalerate, Fipronil, Fipronil-sulfon, Flonicamid, Fluazifop-butyl, Fluchloralin, Flucythrinate, Fludioxonil, Flufenacet, Flufenoxuron, Flumetralin, Fluopicolide, Fluopyram, Fluotrimazole, Fluquinconazole, Flurprimidol, Flusilazole, Flutolanil, Flutriafol, Fluvalinate-Tau, Fonofos, Formothion, Fuberidazole Furalaxyl, | 19/06/2018 | 19/12/2019 | O.02.001 Modified method using **GC-MS/MS** based on:<br><br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified), 615-629<br><br>2. SANTE/ Lat. Ed. of the European Commission |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Fruits and Vegetables with high water content (continued) | Halfenprox, Haloxyfop-2-ethoxyethyl, Heptachlor, Heptachlor epoxide cis, Heptachlor epoxide Trans, Heptenophos, Hexachlorobenzene, Hexaconazole, Hexazinone, Imazalil, Iprobenfos, Iprovalicarb, Isazophos, Isocarbophos, Isodrin, Isofenphos, Isofenphos-methyl, Isoprocarb, Isoprothiolane, Jodfenphos, Kresoxim Methyl, Lambda-Cyhalothrin, Lenacil, Leptophos, Lindane, Malathion, Mecarbam, Menfenpyr-diethyl, Mepanipyrim, Mepronil, Metalaxyl, Metazachlor, Metconazole, Methabenzthiazuron, Methacrifos, Methidathion, Methoprotryne, Methoxychlor, Metolachlor-S, Metrafenone, Metribuzin, Mevinphos, Mirex, Molinate, Myclobutanil, Naled, Napropamide, Nitralin, Nitrapyrin, Nitrofen, Nitrothal-isopropyl, Norfurazon, Nuarimol, Ofurace, Oxadiazon, Oxadixyl, Oxyfluorfen, Paclobutrazol, Parathion Ethyl, Parathion-methyl, Pebulate, Penconazol, Pencycuron, Pendimethalin, Pentachloraniline, Pentachloroanisole, Permethrin, Perthan, Phenkapton, Phenothrin, Phorate, Phosalone, Phthalimide (degr. Folpet), Picoxystrobin, Piperonylbutoxide, Pirimicarb, Pirimicarb desmethyl, Pirimicarb-desmethyl-for Pirimiphos Ethyl, Pirimiphos Methyl, Prochloraz, Procymidone, Profenofos, Profluralin, Promecarb, Prometryn, Propachlor, Propanil, Propazine, Propetamphos, Propham, Propiconazol, Propoxur, Propyzamide, Prosulfocarb, Prothiocanazole desthio, Prothioconazole, Prothiofos, Pyraclostrobin, Pyraflufen-ethyl, Pyrazophos, Pyridaben, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Quintozene, Quizalofop-ethyl, Rotenone, S421, Silafluofen, Silthiopham, Simazine, Spiromesifen, Spiroxamine, Sulfotep, Sulprophos, Tebuconazole, Tebufenpyrad Tecnazene, Teflubenzuron, Tefluthrin, Terbacil, Terbufos,Terbufos sulfone, Terbufos sulfoxide, Terbumeton, Terbuthylazine, Terbutryn, Tetraconazole, Tetradifon, Tetrahydrophthalimide (degr. Captan), Tetramethrin, Tetrasul, Tolclofos Methyl, Transfluthrin, Triadimefon, Triadimenol, Triallate, Triazamate, Triazophos, Trichloranate, Trifloxystrobin, Trifluralin, Trinexapac-ethyl, Vinclozolin, Zoxamide. | | | |
| Fruits and Vegetables with high water content (continued) | 2. Determination of **409** pesticide residues<br>Acetamiprid, Acetochlor, Aclonifen, Albendazole, AllethrinII, Ametoctradin, Ametryn, Aminocarb, Ancymidol, Anilofos, Aspon, Atraton, Atrazine, Atrazine-desethylAzaconazole, Azamethiphos, Azinphos-ethyl, Aziprotryne, Azoxystrobin, Beflubutamid, Benalaxyl, Benalaxyl-M, Benazolin-ethylester, Bendiocarb, Benodanil, | 22/06/2016 | 28/08/2024 | O.02.036 Modified method using **UPLC qTOF** based on:<br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified), 615-629<br>2. SANTE/ Lat. Ed. of the European Commission |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Fruits and Vegetables with high water content (continued) | Benomyl, Benoxacor, Bensulide, Benthiavalicarb-isopropyl, Benzoximate , Benzoylprop-ethyl, Benzthiazuron, Bioallethrin, BispyribacNa, Bitertanol, Boscalid, Bromacil, Bromadiolone , Bromfenvinfos, Bromobutide, Bromuconazole, Bupirimate, Buprofezin , Butachlor, Butafenacil, Butamifos, Butralin, Buturon, Cadusafos, Cambendazole, Capropamide, Carbaryl, Carbendazim, ,Carbofuran, Carbofuran-3-hydroxy, Carbophenothion, Carboxin, Carfentrazone-ethyl, Chlorantraniliprole, Chlorbromuron, Chlorbufam ,Chlorfenvinphos , Chloridazone, Chlormequat, Chlorotoluron, Chloroxuron , Chlorpropham , Chlorpyriphos, Chlorpyriphos-methyl, Chlorthiophos, Chromafenozide , Cinidon-ethyl, Climbazole, Clofentezine, Clomazone , Cloquintocetmexyl, Clothiandin, Coumachlor, Coumaphos, Crufomate, Cyaniphos, Cyazofamid, Cycloxydim , Cycluron, Cyflufenamid, Cyprazin, Cyprodinil, Cythioate, DEET (Diethyltoluamide), Demeton-S-methylsulfone, Desmedipham, Desmetryn, Dialifos, Diazinon, Dichlofenthion, Diclobutrazol , Dicrotophos, Diethofencarb, Difenacoum , Difenoconazole , Difenoxuron, Difenzoquat , Diflubenzuron , Diflufenican, Dimefuron, Dimethachlor, Dimethenamid, Dimethirimol, Dimethoate, Dimethomorph , Dimethylvinphos, Dimoxystrobin , Diniconazole, Dioxacarb, Diphenamid, Dipropetryn, Disulfoton-sulfone, Disulfoton-sulfoxid, Dithiopyr, Diuron, Dodemorph, Dodine , Edifenphos, EPN, , Epoxiconazole, Etaconazole , Ethiofencarb, , Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Etobenzanid ,Etoxazole, Etrimfos, Famoxadone , Famphur, Fenamidone, Fenamiphos, Fenamiphos – sulfone, Fenamiphos sulfoxide, Fenazaquin, Fenbuconazole ,Fenclorazol ethyl, Fenfuram, Fenhexamid, Fenobucarb, FenoxanilFenoxaprop-P-ethyl, Fenoxycarb, Fenpiclonil, Fenpropidin ,Fenpropimorph, Fenpyrarazamine, Fenpyroximate, Fensulfothion, Fenthion, Fenthion-sulfon, Fenthion-sulfoxide, Fipronil , Flamprop-isopropyl, Flonicamid, Florasulam, Fluazifop-p, Fluazifop-P-butyl, Fluazuron, Flubendiamide , Fludioxonil , Flufenacet, Flumioxazin, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl , Fluoxastrobin, Fluquinconazole, Fluridone, Flurochloridone, Flurtamone, Flusilazole, Fluthiacet methyl, Flutolanil, Flutriafol, Fluxapyroxad, Forchlorfenuron, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Griseofulvin, Halosulfuron methyl, Haloxyfop-ethoxyethyl, Haloxyfop-methyl, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Imazamethabenz-methyl, Imibenconazole, Inabenfide, Indoxacarb, Ipconazole, Iprobenfos ,Iprovalicarb , | | | |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Fruits and Vegetables with high water content (continued) | Isazophos, Isocarbamid (Azolamide), Isocarbophos , Isofenphos , Isofenphos-methyl, Isoprocarb, Isopropalin, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxathion, Kresoxim-methyl, Lactofen ,Lenacil, Linuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet, Mefenpyr-diethyl, Mefluidide, Mepanipyrim, Mephosfolan, Mepronil, Mesosulfuron methyl, Metaflumizone, Metalaxyl, Metalaxyl-M, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methidathion, Methiocarb, Methoprotryn, Methoxyfenozide , Metobromuron, Metolachlor, Metosulam, Metrafenone, Metribuzin, Mexacarbate, Monalide , Monolinuron, Myclobutanil, N.N-Dimethyl-N'-p-tolylsulphamide (DMST), Napropamide, Neburon, Nicosulfuron, Norflurazon, Nuarimol, Ofurace, Omethoate, Orbencarb, Oxadiargyl , Oxadiazon, Oxadixyl, Oxfendazole, Oxycarboxin, Oxyfluorfen,, Paclobutrazole, Paraoxon, Paraoxon-methyl, Parathion, Pebulate, Penconazole, Pencycuron, Penflufen, Penfluron (Na), Penoxulam, Pentanochlor, Pethoxamid, Phenmedipham, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Pinoxaden, Piperonylbutoxide , Piperophos, Pirimicarb Pirimicarb-desmethyl, Pirimiphos-ethyl, Pirimiphos-methyl, Pretilachlor, Prochloraz, Profenophos, Promecarb, Prometon, Prometryn , Propachlor, Propamocarb, Propanil, Propaquizafop, Propazine, Propetamphos , Propham , Propiconazole , Propoxycarbazone Na, Propyzamide , Proquinazid, Prosulfocarb, Prothioconazoledesthio, Pymetrozine, Pyracarbolid, Pyraclostrobin, Pyraflufen-ethyl, Pyrazophos, Pyrethrin I, Pyributicarb, , Pyridaben, Pyridaphenthion, Pyridate, , Pyrifenox, Pyriftalid, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Pyroxsulam, Quinalphos, Quinoxyphen, quizalofop-P-tefuryl, Rabenzazole, Rimsulfuron, Rotenone, Secbumeton, Sethoxydim , Siduron , Silthiofam, Simeconazole, Simetryn, Spinetoram, Spinosad (Spinosyn A, Spinosyn D), Spirodiclofen, Spiromesifen, Spirotetramate, Spirotetramate-enol, Spirotetramate-keto-hydroxy, Spirotetramate-mono-hydroxy, Spiroxamine, Sulfentrazone, Sulfotepp, Sulprofos, TCMTB, Tebuconazole, Tebufenozide , Tebufenpyrad, Tebupirimphos, Tebutame, Tebuthiuron, Temephos, TEPP, Tepraloxydim , Terbacil , Terbufo-ssulfone, Terbufos-sulfoxid, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Thenylchlor, Thiamethoxam, Thiazafluron, Thiazopyr, Thifensulfuron-methyl, Thiobencarb, Thiodicarb, Thiofanox sulfone, Thiofanox sulfoxide, Thionazin, Tolclofos-methyl ,Tolfenpyrad, Tralkoxydim , Triallate, Triasulfuron, Triazophos, Tribufos | | | |

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|---|---|---|---|---|
| | ,Trichlorfon , Tricyclazole, Trietazine, Trifloxystrobin, , Trifloxysulfuron, Triflumizole , Triflusulfuron-methyl, Trimethacarb (2.3.5-), Trinexapac-ethyl, Triticonazole, Tritosulfuron, Vamidothion, Vernolate, Warfarin, Zoxamide, BAC 10, BAC 14 , BAC 16 | | | |
| Fruits and Vegetables with high water content (continued) | 3. Determination of **13** pesticide residues (Single residue method)<br><br>Bromide, Chlorate, Chlormequat, Ethephon, Ethylene Thiouria (ETU), Fosetyl-Al, Maleic Hydrazine, Matrine, Mepiquat, oxy-Matrine, Perchlorate, Phosphonic acid, Propylene Thiouria (PTU) | 07/06/2018 | 29/06/2020 | O.02.037 Modified method using **LC-MS-MS** based on:<br><br>**1.** EURL-SRM, 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) (Modified)<br><br>2. "Simultaneous Determination of Matrine and Berberine in Fruits, Vegetables, and Soil Using Ultra-Performance Liquid Chromatography/Tandem Mass Spectrometry", Liu et al.: Journal of AOAC International Vol. 97, No. 1, 2014<br><br>3. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 4. Determination of **Dithiocarbamate (CS2)** pesticide residues by GC-MS/MS | 22/06/2021 | 22/06/2021 | O.02.022 Modified method using **GC-MS/MS**, based on:<br><br>1. "Analysis of dithiocarbamates residues in foods of plant origin involving cleavage into carbon disulfide, partitioning into isooctane", EURL Method<br>2. "Validation of a GC–MS method for the estimation of dithiocarbamate fungicide residues and safety evaluation of mancozeb in fruits and vegetables", Food Chemistry 150 (2014) 175–181<br><br>3. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 5. Determination of pesticide residues (Single residue method)<br><br>**Fenbutatin oxide** | 08/05/2016 | 19/12/2019 | O.02.034 Modified method using **LC-MS-MS,** based on:<br><br>**1.** EURL-SRM, Analysis of Organotin-Pesticides by the QuEChERS Method – Impact of acidifying on the recoveries (Modified)<br><br>2. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 6. Determination of pesticide residues (Single residue method)<br><br>**Dithianon** | 08/05/2016 | 19/12/2019 | O.02.034 Modified method using **LC-MS-MS,** based on:<br><br>1. EURL-SRM, Analysis of Dithianon in Fruits and Vegetables using acidified QuEChERS and LC-MS/MS (Modified)<br><br>2. SANTE/ Lat. Ed. of the European Commission |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Fruits and Vegetables with high water content (continued) | 7. Determination of pesticide residues **Phenoxyalkyl carboxylic acid** (Single residue method)<br>- 2.4-D<br>- Bentazone<br>- Bromoxynil<br>- Ioxynil<br>- MCPA | 08/05/2016 | 19/12/2019 | O.02.034 Modified method using **LC-MS-MS,** based on:<br>1. EURL-SRM, Analysis of Acid Pesticides using QuEChERS and acidified QuEChERS method (Modified)<br>2. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 8. Determination 26 **acid** pesticides residues including conjugates, salts and/or esters, after alkaline Hydrolysis:<br>2,4,5-T, 2,4,5-TP (Fenoprop), 2,4-D, 2,4-DB, 2,4-DP (Dichlorprop), 4-CPA, Acibenzolar, Benazolin, Carfentrazone, Clodinafop, Clopyralid, Cyhalofop acid, Dalapon, Dicamba, Diclofop, Florpyrauxifen, Fluazifop, Fluroxypyr, Haloxyfop, MCPA, MCPB, MCPP, Pyraflufen, Quizalofop-P, Triclopyr, Trinexapac. | 23/12/2020 | 23/12/2020 | O.02.038 Modified method using **LC-MS/MS** based on:<br>1. EURL SRM Analytical Observations Report, Analysis of Acidic Pesticides Entailing Conjugates and/or Esters in their Residue Definitions<br>2. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 9. Determination of polar pesticides residues **Glyphosate** and **Glufosinate** including metabolites (Single residue method):<br>- Glyphosate<br>- AMPA<br>- N-Acetyl-AMPA<br>- Glufosinate<br>- 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP)<br>- N-Acetyl-Glufosinate (NAG) | 21/04/2021 | 21/04/2021 | O.02.037 Modified method using **LC-MS/MS** based on :<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 10. Determination of polar pesticides residues – **Amino alcohols** (Single residue method):<br>- Morpholine<br>- Diethanolamine (DEA)<br>- Triethanolamine (TEA) | 21/04/2021 | 21/04/2021 | O.02.037 Modified method using **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| Fruits and Vegetables with high water content (continued) | 11. Determination of polar pesticides residues **Diquat** και **Paraquat** (Single residue method):<br>- Diquat<br>- Paraquat | 22/06/2021 | 22/06/2021 | O.02.037 Modified method using **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Citrus fruits<br>(Oranges, lemons, grapefruits, etc.) | 12. Determination of pesticides residue **Guazatine** (guazatine acetate, sum of components) - (Single residue method):<br>– Guazatine-GG-cation<br>– Guazatine-GGG-cation<br>– Guazatine-GGN-cation<br>– Guazatine-GNG-cation | 20/04/2022 | 20/04/2022 | O.02.034 Modified method using **LC-MS/MS** based on:<br>1. EURL-SRM-Analytical Observations Report : "Analysis of Guazatine in Food Products"<br>2. SANTE/ Lat. Ed. of the European Commission |
| 2. Infant and baby foods | 1. Determination of **200** pesticide residues<br>2,3,5-Trimethacarb, Abamectin, Acetamiprid, Acetochlor, Acibenzolar-S-methyl, Ametryn, Aminocarb, Amitraz metabolite BTS 27271, Atrazine, Azimsulfuron, Azinphos- ethyl, , Azinphos-methyl, Azoxystrobin, Beflubutamid, Benalaxyl, Benalaxyl-M, Benfuracarb, Benthiavalicarb-isopropyl, Bifenazate, Bispyribac-sodium, Boscalid, Buprimate, Cadusaphos, Carbaryl, Carbendazim, Carbofuran, Carbofuran 3hydroxy, Carbofuran-3-keto, Carfentrazone-ethyl, Chlorantranilliprole, Chlorpyrifos-methyl, Chlorsulfuron, Clodinafop-propargyl, Clofentezine, Clornazone, Cloquintocet-mexyl, Cloransulam-methyl, Clotdianidin, Coumaphos, Cyazomafid, Cyflufenamid, Cyhalofop-butyl, Cymoxanil, Cyproconazole, Cyprodinil, DEET, Desmedipham, Diazinon, Dichlofluanid, Diclofop-methyl, DMSA (degr. dichlofluanid), Diethofencarb, Difenoconazole, Diflubenzuron, Dimefuron, Dimethenamid, Dimethoate, Dimethomorph, Dimoxystrobin, Diuron, Dodemorph, Emamection benzoate, Epoxiconazole, Ethiofencarb, Ethiofencarb sulfone, Ethiofencarb sulfoxide, Ethion, Ethirimol, Ethoprofos, Etoxazole, Fenamidone, Fenazaquin, Fenbuconazole, Fenchlorazol-ethyl, Fenhexamid, Fenoxycarb, Fenoxyprop-P-ethyl, Fenpiclonil, Fenpropidin, Fenpropimorph, Fenpyroximate, Fluazifop-P-butyl, Flubendiamide, Fludioxonil, Flufenacet, Flufenoxuron, Fluometuron, Fluopicolide, Fluquinconazole, Fluroxypyr-meptyl, Flusilazole, Flutolanil, Flutriafol, Forchlorfenuron, Fosthiazate, Fuberidazole, Haloxyfop-methyl, Hexaconazole, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb, Iodosulfuron-methyl, Iprovalicarb, Isofenphos-methyl, Kresoxim-methyl, Lenacil, Linuron, Lufenuron, Malathion, Mandipropamid, Mecarbam, Mepanipyrim, Mesosulfuron-methyl, Metalaxyl, Metalaxyl-M, Methamidophos, Methidathion, Methiocarb, Methiocarb sulfone, Methiocarbsulfoxide, Methomyl, Methoxyfenozide, Metolachlor, Metrafenone, Metribuzin, Myclobutanil, Napropamide, Nitenpyram, Novaluron, Omethoate, Oxadiazon, Oxadixyl, Oxamyl, Paclobutrazole, Penconazole, Pencycuron, Pendimethalyn, Penoxsulam, Phenmedipham, Phentoat, Phosalon, | 14/05/2013 | 19/12/2019 | O.02.001 Modified method using **UPLC-MS/MS** based on:<br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified), 615-629<br>2. SANTE/ Lat. Ed. of the European Commission |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Infant and baby foods (continued) | Phosmet, Pinoxaden, Piperonyl butoxide, Pirimicarb, Pirimicarb desmethyl, Pirimicarb-formadito, Pirimiphos-ethyl, Pirimiphos-methyl, Prochloraz, Prometryn, Propaquizofop, Propamocarb, Propanil, Propargite, Propiconazole, Propyzamide, Prosulfacarb, Pymetrozine, Pyraclostrobin, Pyraflufen-ethyl, Pyrimethanil, Pyriproxyfen, Pyroxsulam, Quinoxyfen, Quizalofop-P-ethyl, Quizalofop-P-tefuryl, Rimsulfuron, Simazin, Spinosad A, Spinosad D, Spirodiclofen, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Terbuthylazine, Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thifensulfuron-methyl, Thiodicarb, Thiophanate-methyl, Tolylfluanid, DMST (degr. tolylfluanid), Triadimefon, Triadimenol, Triasulfuron, Tricyclazole, Trifloxystrobin, Triflumuron, Triflusulfuron-methyl, Trinexapac-ethyl, Zoxamide | | | |
| 3. Potable, surface and ground water intended or not for human consumption | 1. Determination of **466** pesticide residues<br>N,N-dimethylaminosulfanilid (DMSA) - (Dichlofluanid metabolite), 3,4,5-Trimethacarb, 4-Bromophenylurea, 5-Hydroxythiabendazole, 6-Benzylaminopurine, Acetamiprid, Acetamiprid-N-Desmethyl, Acetochlor, Acibenzolar-S-Methyl, Aclonifen, Aldicarb-sulfone, Ametoctradin, Ametryn, Aminocarb, Amisulbrom, Ancymidol, Anilazine, Anilofos, Atraton, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Azaconazole, Azamethiphos, Azinphos-ethyl, Azinphos-methyl, Aziprotryne, Azoxystrobin, BAC 12, BAC 8, BAC-C10, Beflubutamid, Benalaxyl, Benazolin-ethyl ester, Bendiocarb, Benfuracarb, Benodanil, Benoxacor, Bensulfuron-methyl, Bensulide, Benthiavalicarb-isopropyl, Benzobicyclon, Benzovindiflupyr, Benzoximate, Benzoylprop-ethyl, Benzthiazuron, Bifenazate-diazene, Bispyribac Sodium, Bitertanol, Bixlozone, Boscalid, Bromacil, Bromfenvinfos, Bromuconazole, BTS 44595 (Prochloraz metabolite), BTS 44596 (Prochloraz metabolite), Bupirimate, Buprofezin, Butachlor, Butafenacil, Butamifos, Butoxycarboxim, Butroxydim, Buturon, Cadusafos, Cafenstrole, Cambendazole, Capropamide, Carbaryl, Carbetamide, Carbofuran 3-keto-, Carbofuran, Carbofuran-3-hydroxy, Carfentrazone-ethyl, | 02.03.2026 | 02.03.2026 | O.02.020 Modified method using **LC-QTOF** based on:<br>SANTE/ Lat. Ed. of the European Commission |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable, surface and ground water intended or not for human consumption (continued) | Chlorantraniliprole, Chlorbromuron, Chlorfenson, Chloridazon, Chlorobenzuron, Chlorotoluron, Chlorpropham, Chlorpyriphos-methyl, Chlorthion, Chromafenozide, Cinidon-ethyl, Clethodim Sulfone, Climbazole, Clodinafop-propargyl, Clofentezine, Cloquintocet mexyl, Cloransulam methyl, Coumachlor, Coumaphos, Crimidine, Crufomate, Cumyluron, Cyanazine, Cyanofenphos, Cyazofamid, Cybutryn, Cyclanilide, Cyclaniliprole, Cycloheximide, Cycluron, Cyflufenamid, Cymoxanil, Cyprazine, Cyprodinil, Cyprosulfamide, Cythioate, DDAC 8, DEET (Diethyltoluamide), Demeton-S-methylsulfone, Desmetryn, Dialifos, Diallate, Diazinon, Dichlorobenzamide, Diclobutrazol, Diclomezine, Diclosulam, Dicrotophos, Diethofencarb, Difenoconazole, Difenoxuron, Difenzoquat, Diflubenzuron, Diflufenican, Dimefuron, Dimethachlor, Dimethirimol, Dimethoate, Dimethylvinphos, Dimoxystrobin, Dimpropyridaz, Diniconazole, Dinotefuran, Dioxathion, Diphacinone, Diphenamid, Dipropetryn, Disulfoton-sulfone, Ditalimfos, Dodemorph, Dodine, Drazoxolon, Edifenphos, Epoxiconazole, Etaconazole, Ethametsulfuron-methyl, Ethiofencarb-sulfone, Ethiprole, Ethirimol, Ethofumesate, Etobenzanid, Etoxazole, Famphur, Fenamidone, Fenaminostrobin, Fenamiphos - sulfone, Fenamiphos, Fenamiphos sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenclorazol ethyl, Fenfuram, Fenhexamid, Fenothiocarb, Fenoxanil, Fenoxaprop, Fenoxaprop-P-ethyl, Fenoxycarb, Fenpiclonil, Fenpropimorph, Fenpyrarazamine, Fenquinotrione, Fenson, Fensulfothion, Fensulfothion-oxon, Fensulfothio-oxon-sulfone, Fenthion, Fenthion-oxon, Fenthion-oxon-sulfone, Fenthion-oxon-sulfoxide, Fenthion-sulfon, Fenthion-sulfoxide, Fenuron, Flamprop-isopropyl, Flazasulfuron, Flonicamid, Florasulam, Florpyrauxifen, Florpyrauxifen-Benzyl, Fluacrypyrim, Fluazifop-methyl, Fluazifop free acid, Flubendiamide, Flufenacet, Flufenzine (Diflovidazin), Flufiprole, Fluindapyr, Flumequine, Flumetsulam, Flumioxazin, Fluometuron, Fluopicolide, Fluopyram, | | | |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable, surface and ground water intended or not for human consumption<br>(continued) | Fluotrimazole, Flupyradifurone, Flupyrsulfuron-methyl, Fluquinconazole, Fluridone, Flurochloridone, Flurprimidol, Flurtamone, Flusilazole, Fluthiacet, Fluthiacet methyl, Flutianil, Flutolanil, Flutriafol, Fluxapyroxad, Foramsulfuron, Forchlorfenuron, Formothion, Fosthiazate, Fuberidazole, Furalaxyl, Furametpyr, Furathiocarb, Furilazole, Furmecyclox, Griseofulvin, Halauxifen methyl, Haloxyfop-ethoxyethyl, Haloxyfop-methyl, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz-methyl, Imazamox, Imazapic, Imazapyr, Imibenconazole, Imiprothrin, Inabenfide, Indaziflam, Indol-3-Acetic Acid, Indol-3-Butyric Acid, Inpyrfluxam, Ipconazole, Iprobenfos, Isazophos, Isocarbamid, Isofenphos, Isofenphos-methyl, Isoflucypram, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Karanjin, Lenacil, Lethane, Linuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet, Mefenpyr-diethyl, Mefentrifluconazole, Mefluidide, Mepanipyrim, Mephosfolan, Mepronil, Mesosulfuron methyl, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methidathion, Methiocarb-sulfone, Methiocarb-sulfoxide, Methomyl oxime, Methoprotryn, Methoxyfenozide, Metobromuron, Metolachlor, Metominostrobin, Metosulam, Metrafenone, Metsulfuron-methyl, Metyltetrapole, Mexacarbate, Monalide, Monocrotophos, Monolinuron, N.N-Dimethyl-N'-p-tolylsulphamide (DMST), Naphthalene acetamide, Napropamide, Neburon, Nitenpyram, Nitralin, Norflurazon, N-Phenylurea, Nuarimol, Ofurace, Omethoate, Orbencarb, Oryzalin, Oxadiargyl, Oxadiazon, Oxamyl oxime, Oxathiapiprolin, Oxfendazole, Oxycarboxin, Oxyfluorfen, Paclobutrazole, Paraoxon, Parathion-methyl, Penconazole, Pencycuron, Penflufen, Penfluron, Penoxulam, Pentanochlor, Penthiopyrad, Pethoxamid, Phenthoate, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosmet, Phosmet-oxon, Phoxim, Picarbutrazox, Picoxystrobin, Pinoxaden, Piperonylbutoxide, | | | |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable, surface and ground water intended or not for human consumption<br>(continued) | Piperophos, Pirimicarb, Pirimicarb Desmethylformamido, Pirimiphos-ethyl, Pirimiphos-methyl, Praziquantel, Prochloraz, Procymidone, Profenophos, Promecarb, Prometryn, Propanil, Propaquizafop, Propetamphos, Propiconazole, Propisochlor, Propyzamide, Prosulfocarb, Prosulfuron, Prothioconazole desthio, Pydiflumetofen, Pymetrozine, Pyracarbolid, Pyraclofos, Pyraclostrobin, Pyraflufen (free acid), Pyraflufen-ethyl, Pyrasulfotole, Pyraziflumid, Pyrazophos, Pyrazoxone, Pyridafol (Pyridate metabolite), Pyridaphenthion, Pyrifenox, Pyrifluquinazon, Pyriftalid, Pyrimethanil, Pyrimidifen, Pyriminobac-methyl, Pyriofenone, Pyriproxyfen, Pyroquilon, Quassin, Quinalphos, Quinoclamine, Quinofumelin, Quinoxyphen, Quizalofop-p-ethyl, Rabenzazole, Rotenone, Saflufenacil, Sebuthylazine, Secbumeton, Sethoxydim Sulfone, Silthiofam, Simazine 2-Hydroxy, Simeconazole, Spirotetramate, Spirotetramate-enol-glucoside, Spirotetramate-keto-hydroxy, Spirotetramate-mono-hydroxy, Sulfosulfuron, Sulfoxaflor, TCMTB, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebutame, Tebuthiuron, Teflubenzuron, Tefluthrin, Terbacil, Terbumeton, Terbuthylazine, Terbuthylazine-desethyl, Terbutryn, Tetraconazole, Thenylchlor, Thiabendazole, Thiacloprid, Thiamethoxam, Thiazafluron, Thiazopyr, Thiobencarb, Thiodicarb, Thiofanox sulfone, Thiometon sulfone, Thiometon sulfoxide, Thionazin, Tioxazafen, Tolprocarb, Tolyfluanid, Transfluthrin, Triadimefon, Triadimenol, Triasulfuron, Triazophos, Triazoxide, Trichlorfon, Triclopyricarb, Tricyclazole, Trietazine, Trifloxystrobin, Trifloxystrobin metabolite (CGA 321113), Triflumezopyrim, Triflumizol Metabolite FM-6-1, Triflumizole, Triflumuron, Triflusulfuron-methyl, Trimethacarb (2.3.5-), Trinexapac-ethyl, Triticonazole, Uniconazole, Valifenalate, Vamidothion, vamidothion sulfone, Vamidothion sulfoxide, Warfarin, z-Metominostrobin, Zoxamide | | | |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable, surface and ground water intended or not for human consumption<br>(continued) | 2. Determination of **48** pesticide residues:<br>2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Acrinathrin, Alachlor, Aldrin, Alpha-Endosulfan, alpha-HCH, Benfluralin, Beta-Endosulfan, Beta-HCH, Bifenthrin, Chlordane cis, Chlordane trans, Cyfluthrin, Cypermethrin, delta-HCH, Deltamethrin, Dieldrin, Endosulfan-sulfate, Endrin, Endrin aldehyde, Ethoprophos, Fenitrothion, Fenpropathrin, Fenvalerate 1, Fenvalerate 2, Flucythrinate, Heptachlor, Heptachlor-endo-epoxide, Heptachlor-exo-epoxide, Heptenophos, Hexachlorobenzene, Isodrin, Lambda-Cyhalothrin , Lindane, Methoxychlor I, Methoxychlor II, Metolachlor-S, ParathionEthyl, ParathionMethyl, Permethrin CIS, Permethrin TRANS, Tau-Fluvalinate, Tetradifon, Trifluralin | 12/05/2015 | 19/12/2019 | O.02.032 Modified method using **GC-MS/MS** based on:<br>1. ISO 28540, Determination of 16 polycyclic aromatic hydrocarbons (PAH) in water-Method using gas chromatography with mass spectrometric detection<br>2. ELOT/EN ISO 6468, Determination of certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes - Gas chromatography method after liquid-liquid extraction |
| 4. Cereals and legumes<br>(Wheat, rye, barley, oat, maize, rice, white bread, crackers, breakfast cereals, pasta, dried bean, lentils) | 1. Determination of **212** pesticide residues<br>2.3.5-Trimethacarb, 4,4'-Dichlorobenzophenon, Acetochlor, Aclonifen, Acrinathrin, Alachlor, Aldrin, Alpha-HCH, Ametryn, Anthraquinone, Azoxystrobine, Benfluralin, Beta-HCH, Bifenazate, Bifenthrin, Bromocyclen, Bromophos-ethyl, Bromopropylate, Buprofezin, Butachlor, Butafenacil, Butralin, Cadusafos, Carbofuran, Carbophenothion, Carbophenothion methyl, Carboxin, Chionomethionat, Chlorbensid, Chlorbufam, Chlordane cis, Chlordane trans, Chlorfenapyr, Chlorfenprop Methyl, Chlorfenson, Chlormefos, Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorotoluron, Chlorpropham, Chlorpyrifos ethyl, Chlorthal-dimethyl, Chlozolinate, Clethodim, Clofentezine, Clomazon, Cyanofenphos, Cycloate, Cyfluthrin, Cyhalofop-butyl, Cypermethrin, Cyproconazol, Cyprodinil, Cyromazine , DDD-4,4', DDD-2.4, DDE-4,4', DDE-2.4, DDT-2,4', DDT-4,4', DEET, Deltamethrin, Desmetryn, d-HCH, Diafentiuron, Diazinon, Dichlobenil, Dichlofenthion, Dichloran, Dichlorvos, Diclobutrazol, Diclofluanid , Diclofop Methyl, Dicofol, Dieldrin, Diethofencarb, Difenoconazol, Diflufenican, Diniconazole, Dinobuton, Diphenamid, Diphenyl sulfide, Diphenylamine, Disulfoton, Endosulfan I, Endosulfan II, Endrin, Epoxiconazole I + II, EPTC, Esfenvalerate, Etaconazole I + II, Ethafluralin, Ethion, Ethofumesate, Ethoxyquin, Etofenprox, Etridiazole, Etrimfos, Fenamidone, Fenarimol, Fenazaquin, Fenbuconazole, Fenfluthrin, Fenitrothion, Fenpiclonil, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenson, Fipronil, Flucythrinate, Fludioxonil, Flufenoxuron, Flumetralin, Fluopyram, Fluquinconazole, Flurprimidol, Flusilazole, Flutolanil, Fluvalinate-Tau, Fonofos, | 06/02/2020 | 06/02/2020 | O.02.001 Modified method using **GC-MS/MS** based on:<br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified),615-629<br>2. SANTE/ Lat. Ed. of the European Commission |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Cereals and legumes (continued) | Furalaxyl, Heptachlor, Heptachlor epoxide cis, Heptachlor epoxide trans, Hexachlorobenzene, Hexaconazole, Iprovalicarb, Isodrin, Isofenphos, Isofenphos-methyl, Isoprocarb, Kresoxim Methyl, Lindane, Mepanipyrim , Mepronil, Methabenzthiazuron, Methacrifos, Methidathion, Methoprotryne, Methoxychlor I + II, Metolachlor-S, Metrafenone, Mevinphos, Mirex, Molinat, Myclobutanil, Naled, Napropamide, Nitrofen, Nitrothal-isopropyl, Nuarimol, Oxadiazon, Oxyfluorfen, Pebulate, Penconazol, Pencycuron, Pendimethalin, Pentachloraniline, Pentachloroanisole, Permethrin, Perthan, Phenkapton, Phenothrin I + II, Phorate, Picoxystrobin, Pirimiphos Ethyl, Procymidone, Profluralin, Prometryn, Propanil, Propetamphos, Propham, Propiconazol, Prosulfocarb, Prothiocanazole desthio, Prothioconazole, Prothiofos, Pyridaben, Pyrifenox, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Quintozene, S421, Silafluofen, Silthiopham, Spiroxamine, Sulfotep, Sulprophos, Tebufenpyrad, Tecnazene, Teflubenzuron, Tefluthrin, Terbufos, Terbumeton, Terbutryn, Tetraconazole, Tetrahydrophthalimide, Tetramethrin, Tetrasul, Tolclofos Methyl, Transfluthrin, Triadimefon, Triallate, Trichloranate, Trifloxystrobin, Trifluralin, Vinclozolin, Zoxamide. | | | |
| Cereals and legumes (continued) | 2. Determination of **483** pesticides residues<br><br>5-Hydroxythiabendazole, Acetamiprid, Acetamiprid-N-Desmethyl, Alachlor, Albendazole, Aldicarb-sulfone (Aldoxycarb), Allidochlor, Ametoctradin, Ametryn, Aminocarb (Metacil), Ancymidol, Anilofos, Aramite, Aspon, Atraton, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Azaconazole, Azamethiphos, Azinphos-ethyl, Azinphos-methyl, Aziprotryne, Azoxystrobin, BAC-C8, BAC-C10, BAC-C12, BAC-C14, BAC-C16, BAC-C18, Beflubutamid, nBenalaxyl, Benazolin-ethyl ester, Bendiocarb, Benodanil, Benoxacor, Bensulfuron-methyl, Bensulide, Benthiavalicarb-isopropyl, Benzovindiflupyr, Benzoximate, Benzoylprop-ethyl, Benzthiazuron, Bifenthrin, Bioresmethrin, Bispyribac Na, Bixafen, Boscalid, Bromacil, Bromfenvinfos, Bromobutide, Bromuconazole, BTS 40348 (Prochloraz metabolite), BTS 44595 (Prochloraz metabolite), Bupirimate, Buprofezin, Butachlor, Butafenacil, Butamifos, Butoxycarboxim, Butralin, Buturon, Cadusafos, Cambendazole, Capropamide, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carbofuran 3-keto, Carbofuran-3-hydroxy, Chlorantraniliprole, Chlorbromuron, Chlorfenson, Chlorfenvinphos, Chlorfluazuron, | 06/02/2020 | 06/02/2020 | O.02.036 Modified method using **UPLC qTOF** based on:<br><br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified), 615-629<br><br>2. SANTE/ Lat. Ed. of the European Commission |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Cereals and legumes (continued) | Chloridazone, Chlorobenzuron, Chlorotoluron, Chloroxuron, Chlorpropham, Chlorpyriphos, Chlorpyriphos-methyl, Chlorthiophos, Chromafenozide, Cinidon-ethyl, Climbazole, Clofentezine, Clomazone, Cloquintocet mexyl, Cloransulam methyl, Clothiandin, Coumachlor, Coumaphos, Crimidine, Crotoxyphos, Crufomate, Cyanofenphos, Cyazofamid, Cycloate, Cycluron, Cyflufenamid, Cyflumetofen, Cyhalothrin (lambda-), Cymiazole, Cyprazin, Cyproconazole I, Cyproconazole II, Cyprodinil, Cythioate, DDAC-C8, DDAC-C12, DEET (Diethyltoluamide), Demeton-S-methylsulfone, Desmedipham, Desmetryn, Dialifos, Diallate, Diazinon, Dicapthon, Dichlorobenzamide, Diclobutrazol, Diclosulam, Dicrotophos, Diethofencarb, Difenoconazole, Difenoxuron, Difenzoquat, Diflubenzuron, Diflufenican, Dimefuron, Dimethachlor, Dimethenamid, Dimethirimol, Dimethoate, Dimethomorph, Dimethylvinphos, Dimoxystrobin, Diniconazole, Dinotefuran, Dioxathion, Diphenamid, Dipropetryn, Disulfoton-sulfone, Disulfoton-sulfoxide, Ditalimfos, Diuron, Dodemorph, Dodine, Drazoxolon, Edifenphos, Emamectin B1a, Epoxiconazole, Etaconazole, Ethametsulfuron-methyl, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Etobenzanid, Etofenprox, Etoxazole, Etrimfos, Famphur, Fenamidone, Fenamiphos, Fenamiphos - sulfone, Fenamiphos sulfoxide, Fenazaquin, Fenbuconazole, Fenchlorphos-oxon,Fenclorazol ethyl, Fenfuram, Fenhexamid, Fenitrothion, Fenobucarb, Fenoxanil, Fenoxycarb, Fenpiclonil, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenpyrarazamine, Fenpyroximate, Fensulfothion, Fensulfothion-sulfon, Fensulfothio-oxon-sulfone, Fenthion, Fenthion-oxon, Fenthion-oxon-sulfone, Fenthion-sulfon, Fenthion-sulfoxide, Fenuron, Flamprop-isopropyl, Flazasulfuron, Florasulam, Fluazuron, Flubendiamide, Fludioxonil, Flufenacet, Flufenoxuron, Flumetsulam, Flumioxazin, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl, Fluotrimazole, Fluoxastrobin, Flupyradifurone, Fluquinconazole, Fluridone, Flurochloridone, Flurprimidol, Flurtamone, Flusilazole, Fluthiacet methyl, Flutolanil, Flutriafol, Fluvalinate (tau-), Fluxapyroxad, Forchlorfenuron, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Furmecyclox, Griseofulvin, Halfenprox, Halosulfuron methyl, Heptenophos, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Icaridin, Imazalil, Imazamethabenz-methyl, Imazamox, Imazapic, Imazaquin, Imazethapyr, Imibenconazole, Imidacloprid, Imiprothrin, Inabenfide, Indaziflam, | | | |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Cereals and legumes (continued) | Indoxacarb, Iodofenphos (Jodfenphos), Iodosulfuron methyl, Ipconazole, Iprobenfos, Iprovalicarb, Isazophos, Isocarbamid, Isocarbophos, Isofenphos, Isofenphos-methyl, Isopropalin, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Kresoxim-methyl, Lactofen, Lenacil, Leptophos, Linuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet, Mefenpyr-diethyl, Mefluidide, Mepanipyrim, Mephosfolan, Mepronil, Metalaxyl, Metazachlor, Metconazole, Methabenzthiazuron, Methfuroxam, Methidathion, Methiocar, Methiocarb-sulfone, Methiocarb-sulfoxide, Methoprotryn, Methoxyfenozide, Metobromuron, Metolachlor, Metolcarb, Metosulam, Metoxuron, Metrafenone, Metribuzin, Mexacarbate, Molinate, Monalide, Monocrotophos, Monolinuron, Monuron, Myclobutanil, Napropamide, Neburon, Nicosulfuron, Nitenpyram, Norflurazon, Novaluron, N-Phenylurea, Nuarimol, Ofurace, Omethoate, Orbencarb, Oxadiargyl, Oxadiazon, Oxadixyl, Oxfendazole, Oxycarboxin, Paclobutrazole, Paraoxon, Paraoxon-methyl, Penconazole, Pencycuron, Pendimethalin, Penflufen, Penfluron, Penoxulam, Pentanochlor, Penthiopyrad, Permethrin, Pethoxamid, Phenmedipham, Phenthoate, Phorate, Phorate-oxon-sulfoxide, Phorate-sulfone, Phorate-sulfoxide, Phosalone, Phosmet, Phosmet-oxon, Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Pinoxaden, Piperonylbutoxide, Piperophos, Pirimicarb, Pirimicarb Desmethyl formamido, Pirimicarb-desmethyl, Pirimiphos-ethyl, Pirimiphos-methyl, Pretilachlor, Profenophos, Profoxydim, Promecarb, Prometon, Prometryn, Propachlor, Propamocarb, Propanil, Propaquizafop, Propargite, Propazine, Propiconazole, Propoxur, Propyzamide, Proquinazid, Prothioconazole desthio, Prothiofos, Pymetrozine, Pyracarbolid, Pyraclofos, Pyraclostrobin, Pyrazophos, Pyributicarb, Pyridaben, Pyridalyl, Pyridaphenthion, Pyridate, Pyridate degratation, Pyrifenox, Pyrifenox, Pyriftalid, Pyrimethanil, Pyrimidifen, Pyriofenone, Pyriproxyfen, Pyroquilon, Pyroxsulam, Quinalphos, Quinmerac, Quinoclamine, Rabenzazole, Resmethrin, Rotenone, Sebuthylazine, Secbumeton, Sedaxane, Sethoxydim, Siduron, Silafluofen, Silthiofam, Simazine, Simeconazole, Simetryn, Spinetoram, Spinosad A (Spinosyn A), Spinosad D (Spinosyn D), Spirodiclofen, Spiromesifen, Spirotetramate, Spirotetramate-enol, Spirotetramate-enol-glucoside, Spirotetramate-keto-hydroxy, Spirotetramate-mono-hydroxy, Spiroxamine, Sulfotepp, Sulfoxaflor, Sulprofos, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebupirimphos, Tebutame, | | | |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| | Tebuthiuron, Teflubenzuron, Tefluthrin, Temephos, TEPP, Tepraloxydim, Terbacil, Terbufos sulfone, Terbufos-sulfoxid, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetramethrin, Thenylchlor, Thiabendazole, Thiamethoxam, Thiazafluron, Thiazopyr, Thidiazuron, Thiobencarb, Thiofanox sulfone, Thionazin, Thiophanate-methyl, Thiophanat-ethyl, Tolclofos-methyl, Tolfenpyrad, Triadimefon, Triallate, Triasulfuron, Triazophos, Triazoxide, Tribufos, Trichlorfon, Tricyclazole, Tridemorph, Trietazine, Trifloxystrobin, Triflumizole, Triflumuron, Trimethacarb (2.3.5-), Triticonazole, Uniconazole, Vamidothion, Vamidothion sulfone, Vamidothion sulfoxide, Vernolate, Warfarin, Zoxamide. | | | |
| Cereals and legumes (continued) | 3. Determination of **13** pesticides residue (Single Residue Method)<br><br>Bromide, Chlorate, Chlormequat, Ethephon, Ethylene Thiouria (ETU), Fosetyl-Al, Maleic Hydrazine, Matrine, Mepiquat, oxy-Matrine, Perchlorate, Phosphonic acid, Propylene Thiouria (PTU) | 29/06/2020 | 29/06/2020 | O.02.037 Modified method using **LC-MS/MS** based on:<br><br>1. EURL-SRM, 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)<br><br>2. "Simultaneous Determination of Matrine and Berberine in Fruits, Vegetables, and Soil Using Ultra-Performance Liquid Chromatography/Tandem MassSpectrometry", Liu et al.: Journal of AOAC International Vol. 97, No. 1, 2014<br><br>2. SANTE/ Lat. Ed. of the European Commission |
| Cereals and legumes (continued) | 4. Determination of **Dithiocarbamate** (**CS2**) pesticide residues by GC-MS/MS | 22/06/2021 | 22/06/2021 | O.02.022 Modified method using **GC-MS/MS**, based on<br><br>1. "Analysis of dithiocarbamates residues in foods of plant origin involving cleavage into carbon disulfide, partitioning into isooctane", EURL Method<br>2. "Validation of a GC–MS method for the estimation of dithiocarbamate fungicide residues and safety evaluation of mancozeb in fruits and vegetables", Food Chemistry 150 (2014) 175–181<br><br>3. SANTE/ Lat. Ed. of the European Commission |
| Cereals and legumes (continued) | 5. Determination of polar pesticides residues **Glyphosate** and **Glufosinate** including metabolites (Single residue method):<br><br>- Glyphosate<br>- AMPA | 21/04/2021 | 21/04/2021 | O.02.037 Modified method using **LC-MS/MS** based on:<br><br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| | - N-Acetyl-AMPA<br>- Glufosinate<br>- 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP)<br>- N-Acetyl-Glufosinate (NAG) | | | Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| Cereals and legumes (continued) | 6. Determination of polar pesticides residues **Diquat** και **Paraquat** (Single residue method):<br>- Diquat<br>- Paraquat | 22/06/2021 | 22/06/2021 | O.02.037 Modified method **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 5. Difficult or unique commodities<br>Hops, Cocoa beans and products thereof, Coffee, Tea, Spices, Herbs etc | 1. Determination of **107** pesticides residue<br>Acetochlor, Alachlor, Aldrin, a-HCH, Ametryn, Anthraquinone, Atrazine, Benalaxyl, Benfluralin, b-HCH, Bifenthrin, Boscalid, Bromophos-ethyl, Bromophos methyl, Bromopropylate, Bupirimate, Butafenacil, Cadusafos, Carbaryl, Carbophenothion, Carbophenothion methyl , Carboxin, Chlorantraniliprole, Chlordane cis, Chlordane trans, Chlorethoxyfos, Chlorfenprop Methyl, Chlorfenson, Chlorpropham, Chlorpyrifos ethyl, Chlorthal-dimethyl, Clethodim, Cloquintocet-mexyl, Cyanophos, Cycloate, Cyfluthrin, Cypermethrin, DDD p,p'-, DDD-o.p'-, DDE-o.p'-, DDE p,p'-, DDTo.p'-, DDT p,p'-, DEET, Demeton-O , Diazinon, Dichlobenil, Dichlofenthion, Dichloran, 4,4'-Dichlorobenzophenone, Dicofol, Difenoconazol, Dimethomorph, Diphenyl sulfide, EPN, EPTC, Ethoprophos, Etofenprox, Etrimfos, Fenbuconazole, Fludioxonil, Flufenoxuron, Flumetralin, Fluopicolide, Fluopyram, Fluotrimazole, Flutolanil, Fonofos, Haloxyfop-2-ethoxyethyl, Heptachlor, Heptachlor epoxide cis, Heptachlor epoxide trans, Hexachlorobenzene, Iprobenfos, Lindane, Mepanipyrim, Mepronil, Metalaxyl, Methacrifos, Metolachlor-S, Nitrapyrin, Parathion-methyl, Permethrin, Perthan, 2-Orthophenylphenol, Phorate, Pirimicarb, Pirimiphos Ethyl, Procymidone, Propazine, Propetamphos, Propham, Propyzamide, Prosulfocarb, Pyridaben, Quinoxyfen, Sulfotep, Sulprophos, Tebufenpyrad, Terbufos sulfoxide, Terbumeton, Terbuthylazine, Terbutryn, Tetraconazole, Transfluthrin, Triallate, Vinclozolin | 11/03/2022 | 11/03/2022 | O.02.001 Modified method using **GC-MS/MS** based on:<br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified), 615-629<br>2.ISO 15662:2018<br>3. SANTE/ Lat. Ed. of the European Commission |
| Difficult or unique commodities (continued) | 2. Determination of **324** pesticides residue<br>Acetamiprid, Acetamiprid-N-Desmethyl, Acibenzolar-S-Methyl, Alachlor, Alanycarb, Albendazole, Allidochlor, Ametoctradin, Ametryn, Aminocarb, Ancymidol, Atraton, Atrazine, Azaconazole, Azamethiphos, | 11/03/2022 | 11/03/2022 | O.02.036 Modified method using **UPLC-qTOF** based on:<br>1. Lehotay *et al*.: AOAC Vol.88, No.2, 2005 (Modified), 615-629<br>2.ISO 15662:2018 |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Difficult or unique commodities (continued) | Azinphos-ethyl, Aziprotryne, Azoxystrobin, Beflubutamid, Benalaxyl, Bendiocarb, Benoxacor, Bensulfuron-methyl, Bensulide, Benzoximate, Benzthiazuron, Bifenthrin, Bitertanol, Bixafen, Boscalid, Bromacil, Bromuconazole, Bupirimate, Buprofezin, Cafenstrole, Cambendazole, Carbaryl, Carbendazim, Carbetamide, Carbofuran 3-keto-, Carbofuran, Carbophenothion, Carboxin, Carfentrazone-ethyl, Chlorantraniliprole, Chlorfenvinphos, Chlorobenzuron, Chlorotoluron, Chloroxuron, Chlorpyriphos-ethyl, Chlorpyriphos-methyl, Chromafenozide, Climbazole, Clodinafop-propargyl, Clofentezine, Cloquintocet mexyl ,Crimidine, Crufomate, Cyanazine, Cyantraniliprole, Cyazofamid, Cycloate, Cycluron, Cyprazin, Cyproconazole, Cyprodinil, DEET (Diethyltoluamide), Deltamethrin, Demeton-S-methylsulfone, Desmedipham, Desmetryn, Dialifos, Diazinon, Dicapthon, Dichlormid, Diclobutrazol, Diclosulam, Dicofol, Diethofencarb, Difenacoum, Difenoconazole, Difenoxuron, Diflubenzuron, Dimefox , Dimefuron, Dimethoate, Dimethomorph, Dimoxystrobin, Dioxacarb, Dipropetryn, Disulfoton-sulfone, Dodemorph, Edifenphos, Emamectin B1a, Epoxiconazole, Ethirimol, Ethoprophos, Etofenprox, Etrimfos, Fenamidone, Fenamiphos-sulfone, Fenamiphos, Fenamiphos sulfoxide, Fenoxanil, Fenpropidin, Fenpropimorph, Fenpyrarazamine, Fenpyroximate, Fensulfothion, Fensulfothion-oxon, Fensulfothion-sulfon, Fensulfothio-oxon-sulfone, Fenthion, Fenthion-oxon, Fenthion-oxon-sulfone, Fenthion-oxon-sulfoxide, Fenthion-sulfon, Fenthion-sulfoxide, Fluazifop-P-butyl, Fluazuron, Fluindapyr, Flumetralin, Fluopyram, Fluoroglycofen-ethyl, Fluotrimazole, Fluridone, Flurtamone, Flusilazole, Fluthiacet methyl, Flutianil, Flutolanil, Flutriafol, Fluvalinate (tau-), Fluxapyroxad, Fuberidazole, Furathiocarb, Haloxyfop-ethoxyethyl, Haloxyfop-methyl, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz-methyl, Imidacloprid, Indaziflam, Indoxacarb, Inpyrfluxam ,Iodosulfuron methyl, Ipconazole, Iprodione, Iprovalicarb, Isazophos, Isocarbamid, Isocarbophos, Isofenphos, Isofenphos-methyl, Isofentamid, Isoflucypram, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Karanjin, Kresoxim-methyl, Lactofen, Lenacil, Lethane, Mandestrobin, Mandipropamid, Mecarbam, Mefenacet, Mefentrifluconazole, Mefluidide, Mepanipyrim, Mephosfolan, Mesotrione, Metalaxyl, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methacrifos, Methidathion, Methiocarb-sulfone, | | | 3. SANTE/ Lat. Ed. of the European Commission |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Difficult or unique commodities (continued) | Methiocarb-sulfoxide, Methomyl, Methoprotryn, Methoxyfenozide, Metolachlor, Metosulam, Metoxuron, Metrafenone, Mevinphos, Mexacarbate, Molinate, Monalide, Myclobutanil, Napropamide, Norflurazon, Novaluron, Ofurace, Oxadiazon, Oxadixyl, Paclobutrazole, Parathion-methyl, Pebulate, Penconazole, Pencycuron, Pendimethali, Penflufen, Penfluron, Pentanochlor, Phenmedipham, Phenthoate, Phorate, Phorate-oxon-sulfoxide, Phorate-sulfoxide, Phosalone, Phosmet, Phosmet-oxon, Phosphamidon, Picolinafen, Picoxystrobin, Pinoxaden, Piperonyl butoxide, Piperophos, Pirimicarb, Pirimicarb Desmethyl formamido, Pirimicarb-desmethyl, Pirimiphos-ethyl, Pirimiphos-methyl, Prochloraz, Procymidone, Prometon, Prometryn, Propachlor, Propanil ,Propaquizafop, Propazine, Propiconazole, Propoxycarbazone, Prosulfuron, Pyraclostrobin, Pyraflufen-ethyl, Pyrazophos, Pyrazoxone, Pyributicarb, Pyridaphenthion, Pyriftalid, Pyrimethanil, Pyrimidifen, Pyriminobac-methyl, Pyriofenone, Pyriproxyfen ,Pyroquilon, Pyroxsulam, Quinoclamine, Quinoxyphen, Rabenzazole, Rotenone, Saflufenacil, Schradan, Sebuthylazine, Secbumeton ,Sedaxane, Silthiofam, Simazine, Simeconazole, Simetryn, Spinosad A, Spinosad D, Spirotetramate, Spirotetramate-enol, Spiroxamin, Sulfotepp, Sulfoxaflor, SWEP.MCC, TCMTB, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebutame, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos , Tetraconazole, Tetramethrin, Thenylchlor, Thiacloprid, Thiamethoxam, Thidiazuron, Thiobencarb, Thionazin, Tolclofos-methyl, Tolfenpyrad, Tolprocarb, Tolyfluanid, Tralkoxydim, Triallate, Triazamate, Triazophos, Triazoxide, Tribenuron methyl, Trichlorfon, Triclopyricarb, Trietazine, Trifloxystrobin, Triflumizol Metabolite FM-6-, Triflumizole, Triflumuron, Triflusulfuron-methyl, Triticonazole, Uniconazole, Valifenalate, Vamidothion, Vamidothion sulfone, Vamidothion sulfoxide, Warfarin, Zoxamide | | | |
| Difficult or unique commodities (continued) | 3. Determination of pesticides residue (Single Residue Method)<br>– Chlorate,<br>– Fosetyl-Al<br>– Perchlorate<br>– Phosphonic acid | 11/03/2022 | 11/03/2022 | O.02.037 Modified method using **LC-MS/MS** based on:<br>1. EURL-SRM, 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)<br>2. SANTE/ Lat. Ed. of the European Commission |
| Difficult or unique commodities (continued) | 4. Determination of polar pesticides residue **Glyphosate** and **Glufosinate** | 11/03/2022 | 11/03/2022 | O.02.037 Modified method using **LC-MS/MS** based on: |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| | including metabolites (Single residue method):<br>- Glyphosate<br>- AMPA<br>- N-Acetyl-AMPA<br>- Glufosinate<br>- 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP)<br>- N-Acetyl-Glufosinate (NAG) | | | 1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| Difficult or unique commodities (continued) | 5. Determination of polar pesticides residue **Diquat** και **Paraquat** (Single residue method):<br>- Diquat<br>- Paraquat | 11/03/2022 | 11/03/2022 | O.02.037 Modified method **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 6. High fat content products of plant origin<br>**A) Olives and Oil seeds**<br>(Olives, avocados, nuts, oilseed rape, sunflower, cottonseed, soybeans, peanuts, sesame, Peanut butter, tahina, hazelnut paste etc.) | 1. Determination of polar pesticides residues **Glyphosate** and **Glufosinate** including metabolites (Single residue method):<br>- Glyphosate<br>- AMPA<br>- N-Acetyl-AMPA<br>- Glufosinate<br>- 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP)<br>- N-Acetyl-Glufosinate (NAG) | 11/03/2022 | 11/03/2022 | O.02.037 Modified method using **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| High fat content products of plant origin<br>**Olives and Oil seeds** (continued) | 2. Determination of polar pesticides residues **Diquat** και **Paraquat** (Single residue method):<br>- Diquat<br>- Paraquat | 11/03/2022 | 11/03/2022 | O.02.037 Modified method **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 6. High fat content products of plant origin,<br>**B) Vegetable oils and fats**<br>(Olive oil, rapeseed oil, sunflower oil, seed oil, etc.) | 1. Determination of polar pesticides residues **Glyphosate** and **Glufosinate** including metabolites (Single residue method):<br>- Glyphosate<br>- AMPA<br>- N-Acetyl-AMPA<br>- Glufosinate<br>- 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP)<br>- N-Acetyl-Glufosinate (NAG) | 20/12/2022 | 20/12/2022 | O.02.037 Modified method using **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 7. High sugar content products | 1. Determination of polar pesticides residues **Glyphosate** and **Glufosinate** including metabolites (Single residue method):<br>- Glyphosate | 20/12/2022 | 20/12/2022 | O.02.037 Modified method using **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| (Honey, raisins, dried fruits [e.g., apricots, plums, figs], fruit jams) | - AMPA<br>- N-Acetyl-AMPA<br>- Glufosinate<br>- 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP)<br>N-Acetyl-Glufosinate (NAG) | | | Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 8. Soil | **1**. Determination of **55** pesticide residues<br>2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Alachlor, Aldrin, Alpha-Endosulfan, Benfluralin, Beta-Endosulfan,, Bifenox, Bifenthrin, Biphenyl, Bromopropylate, CHLORDANE CIS, CHLORDANE TRANS, Dicofol, Dieldrin, Diphenyl sulfide, EPN, Endosulfan-sulfate, Endrin, Ethafluralin, Ethoprophos, Fenitrothion, Fensulfothion, Fluotrimazol, alpha-HCH, beta-HCH, delta-HCH, Heptachlor, Heptachlor-endo-epoxide, Heptachlor-exo-epoxide, Hexachlorobenzene, Leptophos, Lindane, Methacriphos, Metolachlor-S, Oxyfluorfen, ParathionEthyl, ParathionMethyl, PirimiphosEthyl, Propanil, Propetamphos, Propham, Prothiofos, Quinalphos, Quintozene, Tecnazene, Tefluthrin, Terbacil, Tetradifon, Transfluthrin, Trifluralin | 08/11/2022 | 08/11/2022 | O.02.035 - Modified method using GC-MS-MS based on: ISO 10382 Determination of organochlorine pesticides in soil |
| Soil (continued) | **2**. Determination of **22** polar pesticides residues<br>(Single residue method):<br>AMPA (Aminomethylphosphonic acid) , Bromide , Chlorate , Chlormequat , Cyanuric acid , Daminozide , Diethyl Phosphate , Ethephon , Ethyl Phosphonic Acid , Fosetyl-Al , Glufosinate , Glyphosate , HEPA ((2-Hydroxyethyl)-phosphonic acid) , Melamine , Mepiquat , MPPA (3-(methylphosphinico) propionic acid) , N-Acetyl-AMPA , N-Acetyl-Glyfosinate , N-Acetyl-Glyphosate , Perchlorate , Phosphonic acid and its salts expressed as phosphonic acid (R) , Trimethylsulfonium | 11/08/2025 | 11/08/2025 | O.02.043 Modified method using **LC-MS/MS** based on:<br>1. Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement in Food of Plant Origin (QuPPe-PO-Method)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 9. Food – Animal Feed<br>• Flour-Cereals-Legumes and their products<br>• Animal feed | Determination of **17 Mycotoixns**:<br>1. Aflatoxin B1<br>2. Aflatoxin B2<br>3. Aflatoxin G1<br>4. Aflatoxin G2<br>5. Ochratoxin A<br>6. Diacetoxyscirpenol (DAS)<br>7. T-2<br>8. HT-2<br>9. Zearalenone (ZON)<br>10. Deoxynivalenol (DON)<br>11. 15-Acetyldeoxynivalenol<br>12. 3-Acetyldeoxynivalenol<br>13. Citrinin<br>14. Fumonisin B1<br>15. Fumonisin B2<br>16. Fusarenon X<br>17. Nivalenol | 02.03.2026 | 02.03.2026 | O.02.021 Modified LC-MS/MS method<br>Based on Regulation (EU) 2023/915<br>Based on Regulation (EU) 2023/2782 |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 10. Food<br>• Oil and products with high fat content | Determination of **9 Mycotoxins**:<br>1. Aflatoxin B1<br>2. Aflatoxin B2<br>3. Aflatoxin G1<br>4. Aflatoxin G2<br>5. Ochratoxin A<br>6. T-2<br>7. HT-2<br>8. Zearalenone (ZON)<br>9. Deoxynivalenol (DON) | 02.03.2026 | 02.03.2026 | O.02.021 Modified LC-MS/MS method<br>Based on Regulation (EU) 2023/915<br>Based on Regulation (EU) 2023/2782 |
| 11. Food<br>• Nuts-oilseeds and their products<br>• Dried fruits<br>• Aromatic plants - Spices-Herbs-Herbal infusions<br>• Fruit juices - Wine - Must<br>• Vegetable sauces<br>• Cereal-based baby foods<br>• Coffee - Cocoa and their products | Determination of **5 Mycotoxins**:<br>1. Aflatoxin B1<br>2. Aflatoxin B2<br>3. Aflatoxin G1<br>4. Aflatoxin G2<br>5. Ochratoxin A | 02.03.2026 | 02.03.2026 | O.02.021 Modified LC-MS/MS method<br>Based on Regulation (EU) 2023/915<br>Based on Regulation (EU) 2023/2782 |
| 12. Milk and baby foods based on milk - Cheese – Dairy products | Determination of<br>**Aflatoxin M1** | 02.03.2026 | 02.03.2026 | O.02.021 Modified LC-MS/MS method<br>Based on Regulation (EU) 2023/915<br>Based on Regulation (EU) 2023/2782 |
| 13. Fruit juice and fruit-based puree | Determination of<br>**Patulin** | 17/01/2022 | 17/01/2022 | O.02.021 Modified method using **UPLC-MS**, based on:<br>ELOT EN 15890 Foodstuffs – Determination of Patulin in fruit juice and fruit-based puree for infants and young children – HPLC method with liquid/liquid partition clean up and solid phase extraction and UV detection. |
| 14. Food | Determination of **Alternaria Toxins**:<br>- Alternariol<br>- Alternariol Monomethyl Ether<br>- Altenuene<br>- Altertoxin I<br>- Tentoxin<br>- Tenuazonic Acid | 20/12/2022 | 20/12/2022 | O.02.021 Modified method using LC-MS/MS based on:<br>1. ISO 17521: 2021 , "Foodstuffs - Determination of Alternaria toxins in tomato, wheat and sunflower seeds by SPE clean-up and HPLC-MS/MS"<br>2. SANTE Lat. Ed. of the European Commission "Guidance document on identification of mycotoxins in food and feed"<br>3. Regulation (2002/657/EC): "on the performance of analytical methods and the interpretation of results"<br>4. Commission Recommendation (EU) 2022/553 |
| 15. Food | Determination of<br>**Coumarin** | 21/04/2022 | 21/04/2022 | O.02.021 Modified method using LC-MSMS based on:<br>1. Eur Food Res Technol, Analysis of coumarin in various |

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| | | | | food using liquid chromatography with tandem mass spectrometric detection<br>2. Regulation (EC) No 1334/2008 |
| 16. Food<br>• Oilseeds and their products<br>• Spices, aromatic plants and their products<br>• Cereals and their products<br>• Dairy and their products | Determination of residues<br>**Ethylene Oxide** and its metabolite **2-Chloroethanol** | 20/12/2022 | 20/12/2022 | O.02.040 Modified method using GC-MS/MS based on:<br>1. Analysis of Ethylene Oxide and its Metabolite 2-Chloroethanol by the QuOil Method and GC-MS/MS (EURL)<br>2. SANTE/ Lat. Ed. of the European Commission |
| 17. Food / Feed<br>• Cereals, milling products of cereals and processed cereal-based foods including those intended for infants and young children<br>• Legumes and their processed products<br>Feed, cereal-based | Determination of **Ergot Alkaloids** (12 substances)<br>- Ergocornine<br>- Ergocorninine<br>- Ergocristine<br>- Ergocristinine<br>- Ergocryptine (sum of a,b isomers)<br>- Ergocryptinine (sum of a,b isomers)<br>- Ergometrine<br>- Ergometrinine<br>- Ergosine<br>- Ergosinine<br>- Ergotamine<br>- Ergotaminine | 03/01/2024 | 03/01/2024 | O.02.021 internal method LC-MS/MS based on:<br>**1**."EURL-MP-method_003 (version 2) Determination of ergot alkaloids in cereal-based food and feed by LC-MS/MS"<br>2. Commission regulation (EU) 2023/915 on maximum level for certain contaminants in food<br>3. Commission Implementing Regulation (EU) 2023/2782 |
| 18. Food<br>Fish and their products, fresh and processed products thereof | Determination of<br>**Histamine** | 22/01/2025 | 22/01/2025 | O.02.42 internal method HPLC-UV based on:<br>1. ISO 19343:2017(E) |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 19. Food of animal origin | Determination of **Perfluoroalkyl and Polyfluoroalkyl** substances (**PFAS**), (21 substances)<br>- Perfluorobutanoic acid (PFBA)<br>- Perfluoropentanoic acid (PFPeA)<br>- Perfluorohexanoic acid (PFHxA)<br>- Perfluoroheptanoic acid (PFHpA)<br>- Perfluorooctanoic acid (PFOA)<br>- Perfluorononanoic acid (PFNA)<br>- Perfluorodecanoic acid (PFDA)<br>- Perfluoroundecanoic acid (PFUdA)<br>- Perfluorododecanoic acid (PFDoA)<br>- Perfluorotridecanoic acid (PFTrDA )<br>- Perfluorobutane sulfonic acid (PFBS )<br>- Perfluoropentane sulfonic acid (PFPeS)<br>- Perfluorohexane sulfonic acid (PFHxS)<br>- Perfluoroheptane sulfonic acid (PFHpS)<br>- Perfluorooctane sulfonic acid (PFOS)<br>- Sodium dodecafluoro-3H-4,8-dioxanonanoate (NaDONA)<br>- Hexafluoropropylene oxide dimer acid (HFPO-DA(GenX) )<br>- 9-Chlorohexadecafluoro-3-oxanonane--sulfonic acid (9Cl-PF3ONS)<br>- 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)<br>- N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)<br>-N-ethyl perfluorooctanesulfonamidoacetic acid(N-EtFOSAA) | 13/03/2023 | 13/03/2023 | O.02.041 Internal method with modified QUECHERS and solid phase extraction (SPE) and determination by LC-MS/MS<br>Commission regulation (EU) 2023/915 on maximum level for certain contaminants in food |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



**LABORATORY: ENVIRONMENTAL**

| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| 1. Potable water, irrigation water, borehole water, groundwater, surface water | 1. pH | 01/10/2021 | 01/10/2021 | O.01.005<br>4500-H, B (APHA, Standard Methods lat. ed.) |
| | | 11/08/2025 | 11/08/2025 | O.01.050 Internal method based on: Application Water Seal Robotic System |
| | 2. Determination of Conductivity | 01/10/2021 | 01/10/2021 | O.01.006<br>2510 B (APHA, Standard Methods lat. ed.) |
| | | 11/08/2025 | 11/08/2025 | O.01.050 Internal method based on: Application Water Seal Robotic System |
| | 3. Determination of Chloride ions | 01/10/2021 | 01/10/2021 | O.01.007 Modified method based on 4500-Cl, B (APHA, Standard Methods lat. ed.) |
| | 4. Determination of Sulphate ions | 01/10/2021 | 01/10/2021 | O.01.008 Modified method based on 4500 $SO_4$, E (APHA, Standard Methods lat. ed.) |
| | 5. Determination of Hardness | 01/10/2021 | 01/10/2021 | O.01.013 Modified method based on 2340 B (APHA, Standard Methods lat. ed.) |
| | 6. Calculation of Temporary Hardness | 02/06/2025 | 02/06/2025 | Calculated |
| | 7. Calculation of Permanent Hardness | 02/06/2025 | 02/06/2025 | Calculated |
| | 8. Determination of Nitrite ions | 01/10/2021 | 01/10/2021 | O.01.011 Modified method based on 4500 $NO_2$, (APHA, Standard Methods lat. ed.) |
| | | 22/01/2025 | 22/01/2025 | O.01.045 NO3/NO2 with Discrete Analyzer<br>Internal based on Discrete Analyzer Applications Gallery TON (Total Oxidized Nitrogen) as N and Nitrate by calculation (TON-Nitrite): D09228_07 Insert_Environmental_TON_Hydrazine and Nitrate |
| | 9. Determination of Ammonium ions | 01/10/2021 | 01/10/2021 | O.01.009 Modified method based on 4500 $NH_3$, -(APHA, Standard Methods lat. ed.) |
| | | 11/08/2025 | 11/08/2025 | O.01.048 Internal method based on Application του Discrete Analyzer Gallery:<br>D09161_07_Insert_Environmental_Ammonia |
| | 10. Determination of Nitrate ions | 01/10/2021 | 01/10/2021 | O.01.018 Modified method based on 4500 $NO_3^-$-B (APHA, Standard Methods lat. ed.) |
| | | 22/01/2025 | 22/01/2025 | O.01.045 NO3/NO2 with Discrete Analyzer<br>Internal based on Discrete Analyzer Applications Gallery TON (Total Oxidized Nitrogen) as N and Nitrate by calculation (TON-Nitrite): D09228_07 Insert_Environmental_TON_Hydrazine and Nitrate |
| | 11. Determination of COD | 01/10/2021 | 01/10/2021 | O.01.023<br>HACH LCK 314, LCK 514 |
| | 12. Determination of hexavalent Chromium | 01/10/2021 | 01/10/2021 | O.01.024 Modified method based on and HACH LCK 313 |
| | 13. Determination of Turbidity | 01/10/2021 | 01/10/2021 | O.01.028 Modified method based on HACH DOC 022.98.80041 |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable water, irrigation water, borehole water, groundwater, surface water<br><br>(continued) | | | | (using a portable turbidity meter |
| | 14. Determination of free cyanides | 01/10/2021 | 01/10/2021 | O.01.027<br>HACH LCK 315 |
| | 15. Determination of free Chlorine | 01/10/2021 | 01/10/2021 | O.01.026 Modified method based on HACH DOC316.53.01450 & DOC316.53.01449. |
| | 16. Determination of colour | 01/10/2021 | 01/10/2021 | O.01.029 Modified method based on 2120 C (APHA, Standard Methods lat. ed.) |
| | 17. Determination of fluorine | 01/10/2021 | 01/10/2021 | O.01.030 Modified method based on 4500 F D. SPADNS (APHA, Standard Methods lat. ed.) |
| | 18. Determination of total solids | 01/10/2021 | 01/10/2021 | O.01.021 Modified method based on 2540 B (APHA, Standard Methods lat. ed.) |
| | 19. Potentiometric determination of chloride ions | 01/10/2021 | 01/10/2021 | O.01.042 In house method based on HACH Application DOC 316.52.93091 based on ISO 9297:2000 |
| | 20. Determination of Total Alkalinity | 01/10/2021 | 01/10/2021 | O.01.043 In house method based on: HACH Application DOC 52.93085 και ISO 9963-1:1994 |
| | 21. Determination of Phenolphthalein Alkalinity | 25/07/2025 | 25/07/2025 | O.01.043 In house method based on: HACH Application DOC 52.93085 και ISO 9963-1:1994 |
| | 22. Calculation of Carbonate ions ($CO_3^{2}$) | 02/06/2025 | 02/06/2025 | Calculated |
| | 23. Calculation of Bicarbonate ions ($HCO_3^{-}$) | 02/06/2025 | 02/06/2025 | Calculated |
| | 24. Determination of sulfates | 08/11/2022 | 08/11/2022 | O.01.044 – In house method with discrete analyzer D06736_06 insert |
| | 25. Determination of fluorine | 08/11/2022 | 08/11/2022 | O.01.044 - In house method with discrete analyzer D12423_04 insert |
| | 26. Determination of Total Nitrogen | 03/10/2025 | 03/10/2025 | O.01.049 In house method with HACH LCK 138 |
| 2. Potable, irrigation, bore hole, ground and surface waters | Determination of **31**elements using ICP-MS<br>Ca, Mg, K, Na, Cu, Fe, Zn, Mn, P, B, Al, Ba, Mo, Sr, Ag, Sn, Se, Sb, Si, Pb, Cd, As, Ni, Co, Cr, Hg, V, Be, U, Tl, Ti | 01/10/2021 | 01/10/2021 | O.01.040 Modified method based on 3125 A, B (APHA, Standard Methods lat. ed.) |
| 3. Potable, bore hole and ground waters | 1. Determination of bromate ion (BrO3- ) and Chlorite ion (ClO2-) | 01/10/2021 | 08/02/2022 | O.01.039 Modified method based on 4110 D (APHA, Standard Methods lat. ed.) |
| | 2. Determination of Total Organic Carbon (TOC) | 01/10/2021 | 01/10/2021 | O.01.038<br>HACH LCK 385 |
| 4. Potable, surface and ground water, intended or not for human consumption | 1. Determination of **16** polycyclic aromatic hydrocarbons PAHs: Acenaphthene, Acenaphtylene, Anthracene, benzo(a) Pyrene, benzo(a)anthracene, benzo(b) fluoranthene, benzo(ghi) perylene, benzo(k) fluoranthene, Chrysene, dibenzo(ah)anthracene, Fluoranthene, Fluorene, indéno (123 cd) perylene, Naphtalene, Phenanthrene, Pyrene | 01/10/2021 | 01/10/2021 | O O.15.001 - In house method GC-MS-MS modified and based on:<br>1. ISO 28540, Determination of 16 polycyclic aromatic hydrocarbons (PAH) in water- Method using gas chromatography with mass spectrometric detection<br>2. ΕΛΟΤΕΝ ISO 6468, Determination of certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes - Gas |
| | 2. Determination of **16** PCBs: PCB 18, PCB 20, PCB 28, PCB 31, PCB 44, PCB 52, PCB 101, PCB 105, PCB 118, PCB 138, PCB 149, PCB | 01/10/2021 | 01/10/2021 | |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable, surface and ground water, intended or not for human consumption (continued) | 153, PCB 170, PCB 180, PCB 194, PCB 209 | | | chromatography method after liquid-liquid extraction |
| | 3. Determination of **9** PCTs:<br>- 3,3"-Dichloro-o-terphenyl,<br>- 3,3"-Dichloro-p-terphenyl,<br>- 3',4,4"-Trichloro-m-terphenyl,<br>- 3,3",4,4"-Tetrachloro-o-terphenyl<br>- 3,3",4,4"-Tetrachloro-p-terphenyl<br>- 3,3",5,5"-Tetrachloro-p-terphenyl,<br>- 3,3',3",4,4"-Pentachloro-m-terphenyl<br>- 2,2",4,4",5,5"-Hexachloro-p-terphenyl,<br>- 3,3",4,4",5,5"-Hexachloro-p-terphenyl | 01/10/2021 | 01/10/2021 | |
| | 4a. Determination of **14** volatile substances VOCs:<br>Benzene, Toluene, m-Xylene, p-Xylene, o-Xylene, Ethylbenzene, Vinylchloride, 1,2-Dichloroethane<br>**Total trialomethanes**<br>Tribromomethane (Bromoform), Trichloromethane (Chloroform), Bromodichloromethane, Dibromochloromethane<br>**Aloethenes**<br>Trichloroethene, Tetrachloroethene | 01/10/2021 | 01/10/2021 | O.15.002 In house method GC-MS/ HS-SPME modified and based on:<br>1. ISO/DIS 17943 Determination of volatile organic compounds in water-Method using headspace solid-phase micro-extraction (HS-SPME) followed by gas chromatography-mass spectrometry (GC-MS) |
| | 4b. Determination of volatile substances VOCs:<br>Geosmin, 2-methylisoborneol | 20/12/2022 | 20/12/2022 | O.15.002 In house method GC-MS/ HS-SPME modified and based on:<br>1. ISO/DIS 17943 Determination of volatile organic compounds in water-Method using headspace solid-phase micro-extraction (HS-SPME) followed by gas chromatography-mass spectrometry (GC-MS) |
| | 5. Determination of **Epichlorohydrin** | 01/10/2021 | 01/10/2021 | O.15.002 - In house method GC-MS/ HS-SPME modified and based on:<br>ΕΛΟΤ-EN 14207 Determination of epichlorohydrin |
| | 6a. Determination of **Acrylamide** | 01/10/2021 | 01/10/2021 | O.15.003 - In house method UPLC-MSMS modified and based on:<br>Determination of low-level Acrylamide in drinking water by liquid chromatography /tandem mass spectrometry, AOAC, Vol. 92, No. 1, p. 263-270, 2009 |
| | 6b. Determination of **Acrylamide** | 20/12/2022 | 20/12/2022 | O.15.003 - In house method LC-MSMS by direct injection based on:<br>Determination of low-level Acrylamide in drinking water by liquid chromatography /tandem mass spectrometry, AOAC, Vol. 92, No. 1, p. 263-270, 2009 |
| | 7. Determination of **9** phenols:<br>- 2,3,4, 6 tetrachlorophenol,<br>- 2 chlorophenol, | 01/10/2021 | 01/10/2021 | O.15.004 - In house method GC-MSMS modified and based on: |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| | - 2,4,5-Trichlorophenol,<br>- 2,4,6-Trichlorophenol,<br>- 2,4-Dichlorophenol,<br>- 2,4-Dimethylphenol,<br>- 2,6-Dichlorophenol,<br>- 4-Chloro-3-methyl phenol,<br>- Pentachlorophenol | | | ΕΛΟΤ / EN 12673, Gas chromatographic determination of some selected chlorophenols in water |
| | 8. Determination of Hydrocarbons dissolved or emulsified - Oils (fats and oils) | 01/10/2021 | 01/10/2021 | O.15.005 - In house method GC-FID modified and based on: ISO 9377.02: "Water Quality-Determination of hydrocarbon oil index-Part1Method using solvent extraction and gas chromatography" |
| | 9. Determination of oxidizability | 01/10/2021 | 01/10/2021 | O.01.037 - Modified method based on ISO 8467 |
| | 10. Determination of contaminants<br>- Bromates,<br>- Chlorate,<br>- Perchlorate | 01/10/2021 | 01/10/2021 | O.01.045 - In House LC-MS-MS method by direct injection based on:<br>1. EURL-SRM, Quick Method for the Analysis of Numerous Highly Polar Pesticides in Food Involving Extraction with Acidified Methanol and LC-MS/MS Measurement I. Food of Plant Origin (QuPPe-PO-Method)<br>2. Analysis of Bromate in Drinking Water Using Liquid Chromatography–Tandem Mass Spectrometry without Sample Pretreatment, ANALYTICAL SCIENCES NOVEMBER 2011, VOL. 27, 1091<br>3. SANTE/ Lat. Ed. of the European Commission |
| Potable, surface and ground water, intended or not for human consumption (continued) | 11. Determination of **9 Haloacetic acids** (HAAs)<br>- Chloroacetic acid (MCAA)<br>- Bromoacetic acid (MBAA)<br>- Dichloroacetic acid (DCAA)<br>- Bromochloroacetic acid (BCAA)<br>- Dibromoacetic acid (DBAA)<br>- Trichloroacetic acid (TCAA)<br>- Bromodichloroacetic(BDCAA)<br>- Chlorodibromoacetic(CDBAA)<br>- Tribromoacetic acid (TBAA) | 08/02/2022 | 08/02/2022 | O.15.006 - Internal method LC-MSMS based on:<br>Trace determination of nine haloacetic acids in drinking water by liquid chromatography–electrospray tandem mass spectrometry Journal of Chromatography A, 1217 (2010) 4873–4876 |
| | 12. Determination of **Bisphenol A** | 08/02/2022 | 08/02/2022 | O.15.006 - Internal method LC-MSMS based on:<br>Determination of Bisphenol A (BPA) in Commercially Packaged Ready-to-Consume Carbonated and Noncarbonated Water and Nonalcoholic Beverages: A Single-Laboratory Validation Study, First Action 2017.15 Li et al.: Journal of AOAC International, Vol. 102, No2, 2019 |
| | 13. Determination of **20** perfluoroalkyl and polyfluoroalkyl substances (**PFAS):** | 08/02/2022 | 13/01/2025 | O.15.006 - Internal method LC-MSMS based on: Application |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| Potable, surface and ground water, intended or not for human consumption (continued) | - Perfluorobutanoic acid (PFBA)<br>- Perfluoropentanoic acid (PFPA)<br>- Perfluorohexanoic acid (PFHxA)<br>- Perfluoroheptanoic acid (PFHpA)<br>- Perfluorooctanoic acid (PFOA)<br>- Perfluorononanoic acid (PFNA)<br>- Perfluorodecanoic acid (PFDA)<br>- Perfluoroundecanoic acid (PFUnDA)<br>- Perfluorododecanoic acid (PFDoDA)<br>- Perfluorotridecanoic acid (PFTrDA)<br>- Perfluorobutane sulfonic acid (PFBS)<br>- Perfluoropentane sulfonic acid (PFPS)<br>- Perfluorohexane sulfonic acid (PFHxS)<br>- Perfluoroheptane sulfonic acid (PFHpS)<br>- Perfluorooctane sulfonic acid (PFOS)<br>- Perfluorononane sulfonic acid (PFNS)<br>- Perfluorodecane sulfonic acid (PFDS)<br>- Perfluoroundecane sulfonic acid<br>- Perfluorododecane sulfonic acid<br>- Perfluorotridecane sulfonic acid | | | SCIEX Quantitation of PFASs in Water Samples using LC-MS/MS Large-Volume Direct Injection and Solid Phase Extraction. |
| | 14. Determination of **Microcystin LR** | 20/12/2022 | 20/12/2022 | O.15.006 – In house method LC-MSMS based on:<br>1. ISO 22104 Water quality – Determination of microcystins - Method using liquid chromatography and tandem mass spectrometry (LC-MS/MS) |
| | 15. Determination of **Nonylphenol** (cas no 84852-15-3) | 28/09/2023 | 28/09/2023 | O.15.006 – Internal method GC-MSMS based on:<br>1. ISO 18857<br>Water quality – Determination of selected alkyphenols – Part1 & Part2 |
| | 16. Determination of **17β-estradiol** (cas no 50-28-2) | 28/09/2023 | 28/09/2023 | O.15.006 – Internal method LC-MSMS based on:<br>1. JRC technical report – Water framework directive watch list method - Analysis of 17β-estradiol and estrone |
| 5. Swimming pool water | 1. Determination of pH | 01/10/2021 | 01/10/2021 | O.01.005 4500-H, B (APHA, Standard Methods lat. ed.) |
| | 2. Determination of total Alkalinity | 01/10/2021 | 01/10/2021 | O.01.043 In house method based on HACH Application DOC 316.52.93085 and ISO 9963-1:1994 |
| | 3. Determination of Turbidity | 01/10/2021 | 01/10/2021 | O.01.028 Modified method based on 2130 B (APHA, Standard Methods lat. ed.) using a portable turbidity meter |
| 6. Soil | 1. Determination of Cu, Zn, Mn, Fe | 08/11/2022 | 08/11/2022 | O.01.302 - Modified method using ICP-OES based on W. L. Lindsay, W.A. Norvell, Soil Science Society, American Journal vol.42, 1978, extraction with DTPA |
| | 2. Determination of Mg, K | 08/11/2022 | 08/11/2022 | O.01.301 - Modified method using ICP-OES based on: |

## LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE



| Matrix Category | Types of Tests | DATE OF INITIAL DEVELOPMENT (INITIATION) | DATE OF LAST MODIFICATION | METHODS / TECHNIQUES APPLIED |
|---|---|---|---|---|
| | | | | "Method of Soil Analysis" 1982, American Society of Agronomy, p. 559-581, extraction with ammonium acetate |
| | 3. Determination of total $CaCO_3$ | 08/11/2022 | 08/11/2022 | O.01.303 - Pressure Calcimeter Method Modified based on Method of Soil Analysis 1996 Part 3 |
| | 4. Determination of organic carbon | 08/11/2022 | 08/11/2022 | O.01.304 - Modified Walkley-Black method based on Method of Soil Analysis 1996 Part 3 (Modified) |
| | 5. Determination of elements Pb, Cd, Ni, Cr, Co, As, Hg, Cu, Zn | 08/11/2022 | 08/11/2022 | Modified method by ICP-MS based on: EPA 3051A (after microwave digestion and strong acids) O.01.305 |
| | 6. Determination of Nitrates | 08/11/2022 | 08/11/2022 | O.01.306 - Internal Method with Discrete Analyzer AQ400 AGR-232-C Rev1 |
| | 7. Determination of Phosphorus | 08/11/2022 | 08/11/2022 | O.01.307 - Internal method with Discrete analyzer AQ400 AGR-203-A Rev4 |
| | 8. Determination of Boron | 08/11/2022 | 08/11/2022 | O.01.312 - Modified ICP-OES method based on 'Method of Soil Analysis 1982, American Society of Agronomy, p. 610-611", extraction with boiling water |
| | 9. Determination of Mechanical Composition | 08/11/2022 | 08/11/2022 | O.01.308 - Internal method with Bouyoucos densitometer |
| | 10. Determination of Conductivity / pH | 08/11/2022 | 08/11/2022 | O.01.311 - In-house method with continuous flow robotic system, Extraction with water 1:5, based on ISO 11265, ISO 10390 |
| 7. Leaves / Plant tissues | 1. Determination of Total Nitrogen | 08/11/2022 | 08/11/2022 | O.01.310 - Modified elemental analyzer method based on AOAC 990.03 |
| | 2. Determination of Trace Elements and Macroelements Ca, Mg, K, Na, Cu, Fe, Zn, Mn, P, B | 08/11/2022 | 08/11/2022 | O.01.305 - Modified ICP-MS method based on EPA 3051A (after microwave and strong acid digestion) |