

LOCATION: THESSALONIKI

LABORATORY: FOOD NUTRITIONAL VALUE

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
1. Flour, biscuits, macaroni and relevant products	1. Determination of Moisture	15/09/2004	11/03/2015	O.B.01.101 Modified method based on 925.10 (Flour and relevant products, bread, biscuits), 926.07 (macaroni) (AOAC Latest Edition)
	2. Determination of Ash	15/09/2004	11/03/2015	O.B.01.102 Modified method based on 923.03 (Flour and relevant products, biscuits), 925.11 (macaroni), 930.22 (bread) (AOAC Latest Edition)
	3. Determination of Fat Content	15/09/2004	11/03/2015	O.B.01.104 Modified method based on 922.06 (Flour and relevant products), 935.38 (bread), 925.12 (macaroni and relevant), 945.44 (biscuits and relevant baked) (AOAC Latest Edition)
	4. Determination of Proteins	15/09/2004	11/03/2015	O.B.01.103 Modified method based on 920.87 (AOAC Latest Edition)
	5. Determination of Dietary Fibres	15/09/2004	11/03/2015	O.B.01.105 Modified method based on 985.29 (AOAC Latest Edition)
2. Milk, Cheese	1. Determination of Ash	15/09/2004	11/03/2015	O.B.01.108 Modified method based on 945.46 (milk and condensed milk), 935.42 (cheese) (AOAC Latest Edition)
	2. Determination of Total Solids - Moisture	15/09/2004	11/03/2015	O.B.01.107 Modified method based 925.23 (milk), 920.115 (condensed milk) (AOAC Latest Edition)
	3. Determination of Moisture	15/09/2004	11/03/2015	O.B.01.106 Modified method based on 948.12 (cheese) (AOAC Latest Edition)
	4. Determination of Protein	15/09/2004	11/03/2015	O.B.01.110 Modified method based on 991.20 (AOAC Latest Edition)
	5. Determination of Fat Content	15/09/2004	11/03/2015	O.B.01.109 Modified method based on 989.05 (milk and condensed milk) 933.05 (cheese) (AOAC Latest Edition)
3. Meat and Meat Products	1. Determination of Moisture	15/09/2004	11/03/2015	O.B.01.111 Modified method based on 950.46 (AOAC Latest Edition)
	2. Determination of Ash	15/09/2004	11/03/2015	O.B.01.112 Modified method based on 920.153 (AOAC Latest Edition)
	3. Determination of Fat Content	15/09/2004	11/03/2015	O.B.01.114 Modified method based on ISO 1443:1973
	4. Determination of Protein	15/09/2004	11/03/2015	O.B.01.113 Modified method based on 928.08 (AOAC Latest Edition)
4. Fruits and vegetables	1. Determination of Ash	15/09/2004	11/03/2015	O.B.01.116 Modified method based on 930.05 (vegetables), 940.26 (fruits) (AOAC Latest Edition)

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	2. Determination of Dietary Fibres	15/09/2004	11/03/2015	O.B.01.119 Modified method based on 985.29 (AOAC Latest Edition)
	3. Determination of Protein	15/09/2004	11/03/2015	O.B.01.117 Modified method based on 991.20 (AOAC Latest Edition)
5. Kiwi	1. Determination of Moisture / dry matter	9/9/2019	9/9/2019	O.B.01.151 Modified based on Greek Food Codex
	2. Determination of dry matter	24/9/2021	24/9/2021	O.B.01.151 Method based on OECD / Guidelines on Objective Tests to Determine Quality of Fruit and Vegetables, Dry and Dried Produce and Reg. (EC) 543/2011
6. Food (except baby food)	1. Determination of 7 metals using ICP-MS Sn, Cd, Ni, Co, Cr, As, Hg	30/06/2016	19/12/19	OB.01.138 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	19/12/19	OB.01.138 Modified method based on 2013.06 (AOAC Lat. Ed.)
7. Food (except baby food and milk)	Determination of Lead (Pb) using ICP-MS	30/06/2016	19/12/19	OB.01.138 Modified method based on 2013.06 (AOAC Lat. Ed.)
8. Edible oils	Determination of 4 metals using ICP- MS: Pb, Cu, As, Fe	30/06/2016	19/12/19	OB.01.138 Modified method based on 2013.06 (AOAC Lat. Ed.)
9. Food	1. Determination of Sorbic Acid	10/09/2012	11/03/2015	OB.01.134 Modified method based on ISO 22855:2008
	2. Determination of Benzoic Acid	10/09/2012	11/03/2015	OB.01.134 Modified method based on ISO 22855:2008
	3. Determination of Sulfur Dioxide (SO ₂)	10/09/2012	11/03/2015	O.B.01.136 Modified method based on 990.28 (AOAC Latest Edition)
10. Cereals and their products, legumes and dry nuts	1. Determination of Moisture	18/05/2015	18/05/2015	O.B.01.140 Method based on ISO 712:2009 and ISO 24557
	2. Determination of Ash	18/05/2015	18/05/2015	O.B.01.141 Modified method based on ISO 2171:2007
	3. Determination of Fat Content	18/05/2015	18/05/2015	O.B.01.143 Modified method based on Regulation (EK) 152/2009
	4. Determination of Proteins	18/05/2015	31/08/2021	O.B.01.142 Method based on ISO 20483:2013
	5. Determination of Dietary Fibres	18/05/2015	18/05/2015	O.B.01.144 Modified method based on 985.29 (AOAC Latest Edition)
11. Yogurt, deserts and yogurt products	1. Determination of Total Solids - Moisture	24/07/2015	04/11/2015	O.B.01.145 Modified method based on ISO 13580
	2. Determination of Ash	24/07/2015	04/11/2015	O.B.01.146 Modified method based on 945.46 (AOAC Latest Edition)
	3. Determination of Proteins	24/07/2015	04/11/2015	O.B.01.148 Modified method based on 991.20 (AOAC Latest Edition)
	4. Determination of Fat Content	24/07/2015	04/11/2015	O.B.01.147 Modified method based on 989.05 (AOAC Latest Edition)
12. Fish and Fish Products	1. Determination of Moisture	16/07/2018	16/07/2018	OB.01.125 Modified method based on the Food and Drinks Code

LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE

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Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
Fish and Fish Products (continued)	2. Determination of Ash	16/07/2018	16/07/2018	OB.01.126, Modified method based on 938.08 (AOAC Latest Edition)
	3. Determination of Proteins	16/07/2018	16/07/2018	OB.01.128, Modified method based on 940.25 (AOAC Latest Edition)
	4. Determination of Fat Content	16/07/2018	16/07/2018	OB.01.127, Modified method based on ISO 1443: 1973
13. Cereal, bakery products, yeast products and related products	1. Propionic acid	29/06/2020	29/06/2020	OB.01.152 (HPLC-DAD) Modified method based on Beuth 17.00 14
14. Cheese substitutes and their products for vegetarians (vegan)	1. Determination of Moisture	14/07/2021	14/07/2021	O.B.01.106 Modified method based on 948.12 (cheese) (AOAC Latest Edition)
	2. Determination of Ash	14/07/2021	14/07/2021	O.B.01.108 Modified method based on 935.42 (cheese), (AOAC Latest Edition)
	3. Determination of Proteins	14/07/2021	14/07/2021	O.B.01.110 Modified method based on 991.20 (AOAC Latest Edition)
	4. Determination of Fat Content	14/07/2021	14/07/2021	O.B.01.109 Modified method based on 933.05 (cheese) (AOAC Latest Edition)
15. Meat substitutes and their products for vegetarians (vegan)	1. Determination of Moisture	14/07/2021	14/07/2021	O.B.01.111 Modified method based on 950.46 (AOAC Latest Edition)
	2. Determination of Ash	14/07/2021	14/07/2021	O.B.01.112 Modified method based on 920.153 (AOAC Latest Edition)
	3. Determination of Proteins	14/07/2021	14/07/2021	O.B.01.113 Modified method based on 991.20 (AOAC Latest Edition)
	4. Determination of Fat Content	14/07/2021	14/07/2021	O.B.01.114 Modified method based on ISO 1443:1973
16. Animal feed	1. Determination of Moisture	31/08/2021	31/08/2021	O.B.01.120 Method based on ISO 6496:1999
	2. Determination of Ash	31/08/2021	31/08/2021	O.B.01.121 Method based on ISO 5984:2002
	3. Determination of Fat Content	31/08/2021	31/08/2021	O.B.01.123 Method based on ISO 6492:1999
	4. Determination of Proteins	31/08/2021	31/08/2021	O.B.01.122 Method based on ISO 5983-2:2009
	5. Determination of crude fiber	31/08/2021	31/08/2021	O.B.01.115 Method based on ISO 6865:2000
	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	OB.01.138 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 and Dimethoate using HPLC	24/04/2019	24/04/2019	O.B.08.301 Modified method based on CIPAC L, 649/TC/M/2.1 (HPLC-DAD)
	2. Quantitative determination of the active substance Etofenprox using GC	24/04/2019	24/04/2019	O.B.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 (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 273 pesticide residues Abamectin, Acephate, Acetamiprid, Acibenzolar-S-methyl, Aldicarb, Aldicarb sulfone, Aldicarb sulfoxide, Ametryn, Atrazine, Azaconazole, Azamethiphos, Azinphos methyl, Azoxystrobin, Bifluthrin, Benalaxyl-M, Benthialcycarb-isopropyl, Bitertanol*, Boscalid, Bromuconazole, Bupirimate, Buprofezin*, Butocarbim sulfoxide, Butralin, Carbaryl, Carbendazim, Carbofuran, Carbofuran 3-hydroxy, Carbofuran 3-keto, Carfentrazone-ethyl, Carpropamid, Chlorantraniliprole, Chlorbomuron, Chloridazon, Chlormequat chloride, Chloprofam, Chlorpyrifos, Chlorpyrifos-methyl, Chlorsulfuron, Cinidon-ethyl, Clodinafop-propargyl, Clofentezine, Cloquintocet-mexyl, Cloransulam-methyl, Clotianidin, Cyanazine, Cyazofamid, Cycloate, Cymoxanil, Cyproconazole, Cyprodinil, Demeton-S- methyl, Demeton-S- methyl sulfone, Desmedipham, Desmethryn, Diazinon, Dichlofluanid*, DMSA (degr. dichlofluanid), , Dichlorvos, Diclobutrazole, Diclosulam, Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Dimethenamid, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole, Diphenamid, Diuron, Dodemorph, Dodine, Enamection benzoate, Epoxiconazole, EPTC, Etaconazole, Ethiofencarb sulfone, Ethiofencarb sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Etofenprox, Etoxazole, Famoxadone, Fenamidone, Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenoxycarb, Fenoxypyr-P-ethyl, Fenpropimorph, Fenpropidin, Fenpyroximate, Fenthion, Fenthionoxon, Fenthionsulfoxide, Fenthioate, Fluazifop-P, Fluazifop-P-butyl, Fludioxonil, Flufenacet, Flufenoxuron, Flumioxazin, Fluoxastrobin, Flupicolid, Flumiconazole, Fluroxypyr-methyl, Flusilazole, Flutolanil, Flutriafol, Forchlorfenuron, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Halofenozide, Haloxyfop, Haloxyfop-ethoxyethyl, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz-methyl, Imazaquin, Imidacloprid, Indoxacarb, Iprovalicarb, Isoprocarb, Isoprothiolane, Isoproturon, Isoxaflutole, Isoxathion, Kresoxim-methyl, Lenacil, Linuron, Lufenuron, Malathion, Mandipropamid, Mecarbam, Mefenacet, Mepanipyrim, Mephosfolan, Mepronil, Metabenzthiazuron, Metalaxyl, Metamitron, Metazachlor, Metconazole, Methamidophos*,	01/05/2007	19/12/2019	OB.02.001 Modified method using UPLC-MS/MS based on: 1. Lehotay <i>et al.</i>: AOAC Vol.88, No.2, 2005 (Modified), 615-629 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)	Methidathion, Methiocarb, Methiocarb sulfone, Methiocarb sulfoxide, Methomyl, Methoprotryn, Methoxyfenozide, Metobromuron, Metolcarb, Metoxuron, Metribuzin, Mevinphos, Monocrotophos, Monolinuron, Myclobutanil, Napropamide, Neburon, Nicosulfuron, Nitenpyram, Norflurazon, Novularon, Nuairimol, Ofurace, Omethoate, Oxadixyl, Oxamyl, Oxamyl-oxime, Oxycarboxin, Oxydemeton-methyl, Paclobutrazole, Penconazole, Pencycuron, Pendimethalin, Penoxsulam, Pethoxamide, Phenmedipham, Phoratesulfoxide, Phosmet, Phosphamidon, Phosalone, Picolinafen, Picoxystrobin, Piperonylbutoxide, Pirimicarb, Pirimicarb desmethyl, Pirimicarb desmethyl formamido, Pirimiphos-methyl, Prochloraz, Profam, Profenofos, Promecarb, Prometryn, , Propargite, Propaquizafop, Propazine, Propiconazole, Propoxur, Propyzamide, Prosulfacarb, Pymetrozine, Pyraclostrobin, Pyraflufen-ethyl, Pyrazophos, Pyridaben, Pyridate, Pyridaphenthion, Pyridatedegradation, Pyrifenoxy, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Quinoxyfen, Quizalofop-P-ethyl, Simazin, Simeconazole, Spinosad A*, Spinosad D*, Spirodiclofen, Spiroxamine, Spiromesifen, Sulfotep, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Teflubenzuron, Terbumeton, Terbuthylazine, Terbutryn, Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thiodicarb*, Thiofanox sulfone, Thiofanox sulfoxide, Thiometone, Thiometon sulfone, Thiometon sulfoxide, Thiophanate-methyl, Tolclophos-methyl, Tolyfluanid*, DMST (degr. tolylfluanid), Triadimefon, Triadimenol, Triasulfuron, Triazophos, Trichlorfon, Tricyclazole, Trifloxystrobin, Triflumizole, Triflumuron, Triforine, Trimethacarb, Tritoconazole, Vamidothion, Vamidothion sulfoxide, Zoxamide <i>*except cauliflower</i>			
Fruits and Vegetables with high water content (continued)	2. Determination of 318 pesticide residues 2.3.5-Trimethacarb, 2-Phenylphenol, 4,4'-Dichlorobenzophenon, Acetochlor, Acibenzolar-S-methyl, Aclonifen, Acrinathrin, Alachlor, Aldrin, Alpha-HCH, Ametryn, Anthraquinone, Atrazine, Azoxystrobin, 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,	19/06/2018	19/12/2019	OB.02.001 Modified method using GC-MS/MS based on: 1. Lehotay <i>et al.</i>: AOAC Vol.88, No.2, 2005 (Modified), 615-629 2. SANTE/ Lat. Ed. of the European Commission

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Fruits and Vegetables with high water content (continued)	Chlorobenzilate, Chloroneb, Chlorothalonil, Chlorotoluron, Chlorpropham, Chlorpyrifos ethyl, Chlorpyrifos-methyl, Chlorthal-dimethyl, Chlorthion, Chlozolate, 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, Diafenthiuron, Diazinon, Dichlobenil, Dichlofenthion, Dichloran, Dichlorvos, Diclobutrazol, Diclofluanid, Diclofop Methyl, Dicofof, 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, Fensulfthion, Fenthion, Fenthoate, Fenvalerate, Fipronil, Fipronil-sulfon, Flonicamid, Fluazifop-butyl, Fluchloralin, Flucythrinate, Fludioxonil, Flufenacet, Flufenoxuron, Flumetralin, Fluopicolide, Fluopyram, Fluotrimazole, Fluquinconazole, Flurprimidol, Flusilazole, Flutolanil, Flutriafof, Fluvalinate-Tau, Fonofos, Formothion, Fuberidazole Furalaxyl, Halfenprox, Haloxypop-2-ethoxyethyl, Heptachlor, Heptachlor epoxide cis, Heptachlor epoxide Trans, Heptenophos, Hexachlorobenzene, Hexaconazole, Hexazinone, Imazalil, Iprobenfos, Iprovalicarb, Isazophos, Isocarbophos, Isodrin, Isofenphos, Isofenphos-methyl, Isoprocab, Isoprothiolane, Jodfenphos, Kresoxim Methyl, Lambda-Cyhalothrin, Lenacil, Leptophos, Lindane, Malathion, Mecarbam, Menfenpyr-diethyl, Mepanipyrim, Mepronil, Metalaxyl, Metazachlor, Metconazole, Methabenzthiazuron, Methacrifos, Methidathion, Methoprotetryne, Methoxychlor, Metolachlor-S, Metrafenone, Metribuzin, Mevinphos, Mirex, Molinate, Myclobutanil, Naled, Napropamide, Nitratin, Nitrpyrin, Nitrofen, Nitrothal-isopropyl, Norfurazon, Nuarimol, Ofurace, Oxadiazon, Oxadixyl, Oxyfluorfen, Paclobutrazol, Parathion Ethyl, Parathion-methyl, Pebulate, Penconazol, Pencycuron, Pendimethalin, Pentachloraniline,			

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Fruits and Vegetables with high water content (continued)	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, Quinoxifen, Quintozene, Quizalofop-ethyl, Rotenone, S421, Silafluofen, Silthiopham, Simazine, Spiromesifen, Spiroxamine, Sulfotep, Sulprophos, Tebuconazole, Tebufenpyrad, Tecnazene, Teflubenzuron, Tefluthrin, Terbacil, Terbufos, Terbufos sulfone, Terbufos sulfoxide, Terbumeton, Terbutylazine, 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)	3. Determination of 411 pesticide residues Acetamiprid, Acetochlor, Aclonifen, Albendazole, AllethrinII, Ametocradin, Ametryn, Aminocarb, Ancymidol, Anilofos, Aspon, Atraton, Atrazine, Atrazine-desethylAzaconazole, Azamethiphos, Azinphos-ethyl, Aziprotryne, Azoxystrobin, Beflubutamid, Benalaxyl, Benalaxyl-M, Benazolin-ethylester, Bendiocarb, Benodanil, 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, Chlorfenvinfos, Chloridazone, Chloromequat, Chlorotoluron, Chloroxuron , Chlorpropham, Chlorpyriphos, Chlorpyriphos-methyl, Chlorthiophos, Chromafenozide, Cinidon-ethyl, Climbazole, Clofentazine, Clomazone , Cloquintocetmexyl, Clothiandin, Coumachlor, Coumaphos, Crufomate, Cyaniphos, Cyazofamid, Cycloxydim , Cycluron, Cyflufenamid, Cyprazin,	22/06/2016	19/12/2019	O.B.02.036 Modified method using UPLC qTOF based on: 1. Lehotay <i>et al.</i> : AOAC Vol.88, No.2, 2005 (Modified), 615-629 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)	Cyprodinil, Cythioate, DEET (Diethyltoluamide), Demeton-S-methylsulfone, Desmedipham, Desmetryn, Dialifos, Diazinon, Dichlofenthion, Diclobutrazol, Dicrotophos, Diethofencarb, Difenacoum, Difenconazole, 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, Fenoxanil, Fenoxaprop-P-ethyl, Fenoxycarb, Fenciclonil, Fenpropidin, Fenpropimorph, Fenpyrazamine, 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, Foramsulfuron, Forchlorfenuron, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Griseofulvin, Halosulfuron methyl, Haloxyfop-ethoxyethyl, Haloxyfop-methyl, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Imazamethabenz-methyl, Imibenconazole, Inabenfide, Indoxacarb, Iodosulfuron methyl, Ipconazole, Iprobenfos, Iprovalicarb, Isazophos, Isocarbamid (Azolamide), Isocarbophos, Isafenphos, Isafenphos-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, Nuairimol, Ofurace,			

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)	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, Quinoxiphen, quizalofop-P-tefuryl, Rabenzazole, Rimsulfuron, Rotenone, Sebumeton, 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, Terbutylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Thenylchlor, Thiamethoxam, Thiazafluron, Thiazopyr, Thifensulfuron-methyl, Thiobencarb, Thiodicarb, Thiofanox sulfone, Thiofanox sulfoxide, Thionazin, Tolclofos-methyl, Tolfenpyrad, Tralkoxydim, Triallate, Triasulfuron, Triazophos, Tribufos, 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)	4. Determination of 13 pesticide residues (Single residue method) 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	OB.02.037 Modified method using LC-MS-MS based on: 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)

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
				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 3. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	5. Determination of Dithiocarbamate (CS ₂) pesticide residues by GC-MS/MS	22/06/2021	22/06/2021	OB.02.022 Modified method using GC-MS/MS , based on: 1. "Analysis of dithiocarbamates residues in foods of plant origin involving cleavage into carbon disulfide, partitioning into isooctane", EURL Method 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 3. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	6. Determination of pesticide residues (Single residue method) Fenbutatin oxide	08/05/2016	19/12/2019	OB.02.034 Modified method using LC-MS-MS , based on: 1. EURL-SRM, Analysis of Organotin-Pesticides by the QuEChERS Method – Impact of acidifying on the recoveries (Modified) 2. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	7. Determination of pesticide residues (Single residue method) Dithianon	08/05/2016	19/12/2019	OB.02.034 Modified method using LC-MS-MS , based on: 1. EURL-SRM, Analysis of Dithianon in Fruits and Vegetables using acidified QuEChERS and LC-MS/MS (Modified) 2. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	8. Determination of pesticide residues Phenoxyalkyl carboxylic acid (Single residue method) - 2,4-D - Bentazone - Bromoxynil - Ioxynil - MCPA	08/05/2016	19/12/2019	OB.02.034 Modified method using LC-MS-MS , based on: 1. EURL-SRM, Analysis of Acid Pesticides using QuEChERS and acidified QuEChERS method (Modified) 2. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	9. Determination 26 acid pesticides residues including conjugates, salts and/or esters, after alkaline Hydrolysis: 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,	23/12/2020	23/12/2020	O.B.02.038 Modified method using LC-MS/MS based on: 1. EURL SRM Analytical Observations Report, Analysis of Acidic Pesticides Entailing Conjugates and/or Esters in their Residue Definitions

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
	Dalapon, Dicamba, Dicofof, Florpyrauxifen, Fluazifop, Fluroxypyr, Haloxyfop, MCPA, MCPB, MCPP, Pyraflufen, Quizalofop-P, Triclopyr, Trinexapac.			2. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	10. Determination of polar pesticides residues Glyphosate and Glufosinate including metabolites (Single residue method): - Glyphosate - AMPA - N-Acetyl-AMPA - Glufosinate - 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP) - N-Acetyl-Glufosinate (NAG)	21/04/2021	21/04/2021	OB.02.037 Modified method using LC-MS/MS based on : 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) 2. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	11. Determination of polar pesticides residues – Amino alcohols (Single residue method): - Morpholine - Diethanolamine (DEA) - Triethanolamine (TEA)	21/04/2021	21/04/2021	OB.02.037 Modified method using LC-DMS-MS/MS based on: 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) 2. SANTE/ Lat. Ed. of the European Commission
Fruits and Vegetables with high water content (continued)	12. Determination of polar pesticides residues Diquat και Paraquat (Single residue method): - Diquat - Paraquat	22/06/2021	22/06/2021	OB.02.037 Modified method using LC-DMS-MS/MS based on: 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) 2. SANTE/ Lat. Ed. of the European Commission
2. Infant and baby foods	1. Determination of 200 pesticide residues 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, Clomazone, Cloquintocet-mexyl, Cloransulam-methyl, Clotdianidin, Coumaphos, Cyazomafid, Cyflufenamid, Cyhalofop-butyl, Cymoxanil, Cyproconazole, Cyprodinil, DEET,	14/05/2013	19/12/2019	O.B.02.001 Modified method using UPLC-MS/MS based on: 1. Lehotay <i>et al.</i> : AOAC Vol.88, No.2, 2005 (Modified), 615-629 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)	Desmedipham, Diazinon, Dichlofluanid, Dicofof-methyl, DMSA (degr. dichlofluanid), Diethofencarb, Difenconazole, Diflubenzuron, Dimefuron, Dimethenamid, Dimethoate, Dimethomorph, Dimoxystrobin, Diuron, Dodemorph, Emamection benzoate, Epoxiconazole, Ethiofencarb, Ethiofencarb sulfone, Ethiofencarb sulfoxide, Ethion, Ethirimol, Ethoprosfos, Etoxazole, Fenamidone, Fenazaquin, Fenbuconazole, Fenchlorazol-ethyl, Fenhexamid, Fenoxycarb, Fenoxypyr-P-ethyl, Fenpiclonil, Fenpropidin, Fenpropimorph, Fenpyroximate, Fluaazifop-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, Pendimethalin, Penoxsulam, Phenmedipham, Phentoat, Phosalon, 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, Quinoxifen, Quizalofop-P-ethyl, Quizalofop-P-tefuryl, Rimsulfuron, Simazin, Spinosad A, Spinosad D, Spiroclufen, Spiromesifen, Spirotetramat, Spirothamine, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Terbutylazine, Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thifensulfuron-methyl, Thiodicarb, Thiophanate-methyl, Tolyfluanid, DMST (degr. tolyfluanid), Triadimefon, Triadimenol, Triasulfuron, Tricyclazole, Trifloxystrobin, Triflumuron, Triflurosulfuron-methyl, Trinexapac-ethyl, Zoxamide			
3. Potable, surface and ground water intended or not for human consumption	1. Determination of 256 pesticide residues Abamectin, Acetamiprid, Acibenzolar-S-methyl, Alanycarb, Aldicarb sulfone, Aldicarb sulfoxide, Ametryn, Atrazine, Azaconazole, Azamethiphos, Azinphos	15/06/2013	19/12/2019	OB 02.020 Modified method using UPLC-MS/MS based on: 1. Application of ultra performance liquid chromatography-tandem mass spectrometry to the analysis of

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)	methyl, Azoxystrobin, Beflubutamid, Benalaxyl-M, Benthialvalcarb-isopropyl, Bitertanol, Boscalid, Bromuconazole, Buprimate, Buprofezin, Butocarboxim sulfone, Butralin, Carbaryl, Carbendazim, Carbofuran, Carbofuran 3hydroxy, Carbofuran-3-keto, Carfentrazone-ethyl, Carpropamid, Chlorantraniliprole, Chlorbomuron, Chloridazon, Chlorprofam, Chlorpyrifos, Chlorpyrifos-methyl, Chlorsulfuron, Clofentenzine, Cinidon-ethyl, Clodinafop, Clodinafop-propargyl, Cloquintocet-mexyl, Cloransulam-methyl, Clotdianidin, Cyanazine, Cyazofamid, Cymoxanil, Cyproconazol, Cyprodinil, Demeton-S-methylsulfone, Desmedipham, Desmethryn, Diazinon, Dichlofluanid, Diclobutrazole, Diclosulam, DMSA (degr. dichlofluanid), Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Dimethenamid, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole, Diuron, Dodemorph, Dodine, Eamection benzoate, Epoxiconazole, Etaconazole, Ethiofencarb sulfone, Ethiofencarb sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Etofenprox, Etoxazole, Famoxadone, Fenamidone, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenoxycarb, Fenpropimorph, Fenpropidin, Fenpyroximate, Fenthionsulfoxide, Fenthioate, Fluazifop-P, Fluazifop-P-butyl, Fludioxonil, Flufenacet, Flufenoxuron, Flumioxazin, Fluoxastrobin, Flupicolid, Fluquinconazole, Fluroxypyr-meptyl, Flusilazole, Flutolanil, Flutriafol, Forchlorfenuron, Fosthiazate, Fuberitazole, Furalaxyl, Furathiocarb, Halofenozide, Haloxyfop, Haloxyfop-ethoxyethyl, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz-methyl, Imazaquin, Imazethapyr, Imidacloprid, Indoxacarb, Iprovalicarb, Isoprocab, Isoprothiolane, Isoproturon, Isoxaflutole, Isoxathion, Kresoxim-methyl, Lenacil, Linuron, Lufenuron, Malathion, Mandipropamid, Mecarbam, Mefenacet, Mepanipyrim, Mephosfolan, Mepronil, Metabenzthiazuron, Metalaxyl, Metamitron, Metazachlor, Metconazole, Methidathion, Methiocarb, Methiocarb sulfone, Methiocarb sulfoxide, Methomyl, Methoprotryn, Methoxyfenozide, Metobromuron, Metoxuron, Metribuzin, Monocrotophos, Monolinuron, Myclobutanil, Napropamide, Neburon, Nicosulfuron, Norflurazon, Novaluron, Nuarimol, Ofurace, Omethoate, Oxadixyl, Oxamyl, Oxamyl-oxime, Oxycarboxin, Oxydemeton-methyl, Paclobutrazole, Penconazole, Pencycuron, Pendimethalyn, Penoxsulam, Pethoxamide, Phenmedipham, Phorate sulfoxide, Phosmet, Phosphamidon, Phosalone, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimicarb-desmethyl formamido, Pirimiphos-methyl, Prochloraz,			priority pesticides in ground water. Journal of Chromatography A, Vol. 1109, p. 222-227, 2006 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
Potable, surface and ground water intended or not for human consumption (continued)	Profenofos, Promecarb, Prometryn, Propaquizalofop, Propargite, Propazine, Propiconazole, Propoxur, Propyzamide, Prosulfacarb, Pymetrozine, Pyraclostrobin, Pyraflufen-ethyl, Pyrazophos, Pyridaben, Pyridaphenthion, Pyridate, Pyridatedegradation, Pyrifenox, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Quinoxifen, Quizalofop-P-ethyl, Simazin, Simeconazole, Spinosad A, Spinosad D, Spirodiclofen, Spiromesifen, Spiroxamine, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Teflubenzuron, Terbumeton, Terbutylazine, Terbutryn, Tetraconazole, Thiabendazole, Thiacloprid, Thiamethoxam, Thiodicarb, Thiofanox sulfone, Thiofanox sulfoxide, Thiometon sulfone, Thiometon sulfoxide, Tolclophos-methyl, Tolyfluanid, DMST (degr. tolylfluanid), Triadimefon, Triadimenol, Triasulfuron, Triazamate, Triazophos, Trichlorphon, Tricyclazole, Triflumuron, Trifloxystrobin, Triflumizole, Triforine, Trimethacarb, Tritoconazole, Vamidothion, Vamidothion-sulfone, Zoxamide			
Potable, surface and ground water intended or not for human consumption (continued)	2. Determination of 49 pesticide residues: 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	OB 02.032 Modified method using GC-MS/MS based on: 1. ISO 28540, Determination of 16 polycyclic aromatic hydrocarbons (PAH) in water- Method using gas chromatography with mass spectrometric detection 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 (Wheat, rye, barley, oat, maize, rice, white bread, crackers, breakfast cereals, pasta, dried bean, lentils)	1. Determination of 212 pesticide residues 2.3.5-Trimethacarb, 4,4'-Dichlorobenzophenon, Acetochlor, Aclonifen, Acrinathrin, Alachlor, Aldrin, Alpha-HCH, Ametryn, Anthraquinone, Azoxystrobin, 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, Chlozolate, Clethodim, Clofentezine, Clomazon,	06/02/2020	06/02/2020	OB.02.001 Modified method using GC-MS/MS based on: 1. Lehotay <i>et al.</i> : AOAC Vol.88, No.2, 2005 (Modified),615-629 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)	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, Diafenthiuron, Diazinon, Dichlobenil, Dichlofenthion, Dichloran, Dichlorvos, Diclobutrazol, Diclofluanid, Diclofop Methyl, Dicofof, Dieldrin, Diethofencarb, Difenconazol, 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, Fenciclonil, Fenpropathrin, Fenpropidin, Fenpropimorph, Fenson, Fipronil, Flucythrinate, Fludioxonil, Flufenoxuron, Flumetralin, Fluopyram, Fluquinconazole, Flurprimidol, Flusilazole, Flutolanil, Fluvalinate-Tau, Fonofos, Furalaxyl, Heptachlor, Heptachlor epoxide cis, Heptachlor epoxide trans, Hexachlorobenzene, Hexaconazole, Iprovalicarb, Isodrin, Isofenphos, Isofenphos-methyl, Isoprocab, Kresoxim Methyl, Lindane, Mepanipyrim, Mepronil, Methabenzthiazuron, Methacrifos, Methidathion, Methoprottryne, 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, Pyrifeno, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxifen, 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 5-Hydroxythiabendazole, Acetamiprid, Acetamiprid-N-Desmethyl, Alachlor, Albendazole, Aldicarb-sulfone (Aldoxycarb), Allidochlor, Ametocradin, Ametryn, Aminocarb (Metacil), Ancymidol, Anilofos, Aramite, Aspon, Atraton,	06/02/2020	06/02/2020	O.B.02.036 Modified method using UPLC qTOF based on: 1. Lehotay <i>et al.</i>: AOAC Vol.88, No.2, 2005 (Modified), 615-629 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)	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, 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, Diallylate, 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, Enamectin B1a, Epoxiconazole, Etaconazole, Ehametsulfuron-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,			

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
Cereals and legumes (continued)	Fenpropimorph, Fenpyraramine, 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, Fumecyclox, Griseofulvin, Halfenprox, Halosulfuron methyl, Heptenophos, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Icaridin, Imazalil, Imazamethabenz-methyl, Imazamox, Imazapic, Imazaquin, Imazethapyr, Imibenconazole, Imidacloprid, Imiprothrin, Inabenfide, Indaziflam, 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, Methiocarb, 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, Nuairimol, 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,			

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
Cereals and legumes (continued)	Propamocarb, Propanil, Propaquizafop, Propargite, Propazine, Propiconazole, Propoxur, Propyzamide, Proquinazid, Prothioconazole desthio, Prothiofos, Pymetrozine, Pyracarbolid, Pyraclofos, Pyraclostrobin, Pyrazophos, Pyributicarb, Pyridaben, Pyridalyl, Pyridaphenthion, Pyridate, Pyridate degradation, Pyrifeno, Pyrifeno, Pyrifitalid, 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, Tebuthiuron, Teflubenzuron, Tefluthrin, Temephos, TEPP, Tepraloxymid, Terbacil, Terbufos sulfone, Terbufos-sulfoxid, Terbumeton, Terbutylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetramethrin, Thienylchlor, Thiabendazole, Thiamethoxam, Thiazafuron, 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) Bromide, Chlorate, Chlormequat, Ethepon, Ethylene Thiouria (ETU), Fosetyl-Al, Maleic Hydrazine, Matrine, Mepiquat, oxy-Matrine, Perchlorate, Phosphonic acid, Propylene Thiouria (PTU)	29/06/2020	29/06/2020	O.B.02.037 Modified method using LC-MS/MS based on: 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) 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 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)	4. Determination of Dithiocarbamate (CS2) pesticide residues by GC-MS/MS	22/06/2021	22/06/2021	OB.02.022 Modified method using GC-MS/MS , based on 1. “Analysis of dithiocarbamates residues in foods of plant origin involving cleavage into carbon disulfide, partitioning into isooctane”, EURL Method 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 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): - Glyphosate - AMPA - N-Acetyl-AMPA - Glufosinate - 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP) - N-Acetyl-Glufosinate (NAG)	21/04/2021	21/04/2021	O.B.02.037 Modified method using LC-MS/MS based on: 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) 2. SANTE/ Lat. Ed. of the European Commission
Cereals and legumes (continued)	6. Determination of polar pesticides residues Diquat και Paraquat (Single residue method): - Diquat - Paraquat	22/06/2021	22/06/2021	OB.02.037 Modified method LC-DMS-MS/MS based on: 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) 2. SANTE/ Lat. Ed. of the European Commission
5. Difficult or unique commodities Hops, Cocoa beans and products thereof, Coffee, Tea, Spices, Herbs etc	1. Determination of 107 pesticides residue Acetochlor, Alachlor, Aldrin, a-HCH, Ametryn, Anthraquinone, Atrazine, Benalaxyl, Benfluralin, b-HCH, Bifenthrin, Boscalid, Bromophos-ethyl, Bromophos methyl, Bromopropylate, Bupirimate, Butafenacil, Cadusafos, Carbaryl, Carbofenothion, Carbofenothion 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', DDT o,p', DDT p,p', DEET, Demeton-O, Diazinon, Dichlobenil, Dichlofenthion, Dichloran, 4,4'-Dichlorobenzophenone, Dicofof, Difenconazol, Dimethomorph, Diphenyl sulfide, EPN, EPTC, Ethoprophos, Etofenprox, Etrifos, Fenbuconazole,	11/03/2022	11/03/2022	OB.02.001 Modified method using GC-MS/MS based on: 1. Lehotay <i>et al.</i> : AOAC Vol.88, No.2, 2005 (Modified), 615-629 2.ISO 15662:2018 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)	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, Nitrpyrin, Parathion-methyl, Permethrin, Perthan, 2-Orthophenylphenol, Phorate, Pirimicarb, Pirimiphos Ethyl, Procymidone, Propazine, Propetamphos, Propham, Propyzamide, Prosulfocarb, Pyridaben, Quinoxifen, Sulfotep, Sulprophos, Tebufenpyrad, Terbufos sulfoxide, Terbumeton, Terbutylazine, Terbutryn, Tetraconazole, Transfluthrin, Triallate, Vinclozolin			
Difficult or unique commodities (continued)	2. Determination of 324 pesticides residue Acetamiprid, Acetamiprid-N-Desmethyl, Acibenzolar-S-Methyl, Alachlor, Alanycarb, Albendazole, Allidochlor, Ametocradin, Ametryn, Aminocarb, Ancymidol, Atraton, Atrazine, Azaconazole, Azamethiphos, Azinphos-ethyl, Aziprotryne, Azoxystrobin, Biflubenbutamid, 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, Chlorpyrifos-ethyl, Chlorpyrifos-methyl, Chromafenozide, Climbazole, Clodinafop-propargyl, Clofentazine, 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, Dicofof, Diethofencarb, Difenacoum, Difenconazole, Difenoxuron, Diflubenzuron, Dimefox, Dimefuron, Dimethoate, Dimethomorph, Dimoxystrobin, Dioxacarb, Dipropetryn, Disulfoton-sulfone, Dodemorph, Edifenphos, Enamectin B1a, Epoxiconazole, Ethirimol, Ethoprophos, Etofenprox, Etrimfos, Fenamidone, Fenamiphos-sulfone, Fenamiphos, Fenamiphos sulfoxide, Fenoxanil, Fenpropidin, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fensulfothion, Fensulfothion-oxon, Fensulfothion-sulfon, Fensulfothio-oxon-sulfone, Fenthion, Fenthion-oxon, Fenthion-oxon-sulfone, Fenthion-oxon-sulfoxide, Fenthion-sulfon, Fenthion-sulfoxide,	11/03/2022	11/03/2022	OB.02.036 Modified method using UPLC-qTOF based on: 1. Lehotay <i>et al.</i>: AOAC Vol.88, No.2, 2005 (Modified), 615-629 2.ISO 15662:2018 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)	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, Isocarboxophos, Isufenphos, Isufenphos-methyl, Isofentamid, Isoflucypram, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Karanjin, Kresoxim-methyl, Lactofen, Lenacil, Lethane, Mandestrobins, Mandipropamid, Mecarbam, Mefenacet, Mefentrifluconazole, Mefluidide, Mepanipyrim, Mephosfolan, Mesotrione, Metalaxyl, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methacryfos, Methidathion, Methiocarb-sulfone, 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, Pendimethalin, 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, Pyrifthalid, Pyrimethanil, Pyrimidifen, Pyriminobac-methyl, Pyriofenone, Pyriproxyfen, Pyroquilon, Pyroxsulam, Quinoclamine, Quinoxiphen, Rabenzazole, Rotenone, Saflufenacil, Schradan, Sebutylazine, Secbumeton, Sedaxane, Silthiofam, Simazine, Simeconazole, Simetryn, Spinosad A, Spinosad D, Spirotetramate, Spirotetramate-enol, Spiroxamin, Sulfotepp, Sulfoxaflo, SWEP.MCC, TCMTB, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebutame, Terbumeton, Terbutylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetramethrin, Thienylchlor, Thiacloprid, Thiamethoxam, Thidiazuron, Thiobencarb, Thionazin, Tolclofos-methyl, Tolfenpyrad, Tolprocarb, Tolyfluanid, Tralkoxydim,			

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
Difficult or unique commodities (continued)	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) - Chlorate, - Fosetyl-Al - Perchlorate - Phosphonic acid	11/03/2022	11/03/2022	O.B.02.037 Modified method using LC-MS/MS based on: - EUURL-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) - SANTE/ Lat. Ed. of the European Commission
Difficult or unique commodities (continued)	4. Determination of polar pesticides residue Glyphosate and Glufosinate including metabolites (Single residue method): - Glyphosate - AMPA - N-Acetyl-AMPA - Glufosinate 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP) - N-Acetyl-Glufosinate (NAG)	11/03/2022	11/03/2022	O.B.02.037 Modified method using LC-MS/MS based on: - 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) - SANTE/ Lat. Ed. of the European Commission
Difficult or unique commodities (continued)	5. Determination of polar pesticides residue Diquat και Paraquat (Single residue method): - Diquat - Paraquat	11/03/2022	11/03/2022	OB.02.037 Modified method LC-DMS-MS/MS based on: - 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) - SANTE/ Lat. Ed. of the European Commission
6. High fat content products of plant origin, Olives and Oil seeds (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): - Glyphosate - AMPA - N-Acetyl-AMPA - Glufosinate 3-[hydroxy(methyl)phosphinoyl] propionic acid (MPP) - N-Acetyl-Glufosinate (NAG)	11/03/2022	11/03/2022	O.B.02.037 Modified method using LC-MS/MS based on: - 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) - SANTE/ Lat. Ed. of the European Commission
High fat content products of plant origin Olives and Oil seeds (continued)	2. Determination of polar pesticides residues Diquat και Paraquat (Single residue method): - Diquat - Paraquat	11/03/2022	11/03/2022	OB.02.037 Modified method LC-DMS-MS/MS based on: 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

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Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
				Measurement in Food of Plant Origin (QuPPe-PO-Method) 2. SANTE/ Lat. Ed. of the European Commission
7. Coffee	Determination of Ochratoxin A	19/12/2019	19/12/2019	O.B.02.021 Modified method using UPLC-MS/MS based on: Journal of Chromatography A, Vol. 1143, p. 48-64, 2007
8. Dried Nuts, Flour, Cereals, Animal Feed and Dried Fruits	Determination of 10 MycoToxins 1. Aflatoxins (B1, B2, G1, G2) 2. Ochratoxin A 3. Diacetoxyscirpenol (DAS) 4. T-2 5. Zearalenone (ZON) 6. Deoxynivalenol (DON) 7. HT-2	13/06/2009	19/12/2019	O.B.02.021 Modified method using UPLC-MS/MS based on: Journal of Chromatography A, Vol. 1143, p. 48-64, 2007 And in compliance EC 401/2006
9. Milk and infant & baby foods containing milk	Determination of Aflatoxin M1	16/05/2012	19/12/2019	O.B.02.021 In house method using UPLC-MS/MS based on: a VICAM company application and in compliance with Regulation (EC) 401/2006
10. Animal Feed and Flour, Cereals	Determination of Fumonisin FB1 and FB2	06/11/2015	19/12/2019	O.B.02.021 Modified method using UPLC-MS/MS , based on: Journal of AOAC International, Vol93, No5, 2010, Rapid determination of Fumonisin in corn-based products by Liquid Chromatography/Tandem Mass Spectrometry (Mod.)
11. Fruit juice and fruit-based puree	Determination of Patulin	17/01/2022	17/01/2022	O.B.02.021 Modified method using UPLC-MS , based on: 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.

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	1. pH	01/10/2021	01/10/2021	O.B.01.005 4500-H, B (APHA, Standard Methods lat. ed.) (*)
	2. Determination of Conductivity	01/10/2021	01/10/2021	O.B.01.006 2510 B (APHA, Standard Methods lat. ed.) (*)
	3. Determination of Chloride ions	01/10/2021	01/10/2021	O.B.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.B.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.B.01.013 Modified method based on 2340 B (APHA, Standard Methods lat. ed.) (*)
	6. Determination of Nitrite ions	01/10/2021	01/10/2021	O.B.01.011 Modified method based on 4500 NO ₂ , (APHA, Standard Methods lat. ed.) (*)
	7. Determination of Ammonium ions	01/10/2021	01/10/2021	O.B.01.009 Modified method based on 4500 NH ₃ , -(APHA, Standard Methods lat. ed.) (*)
	8. Determination of Nitrate ions	01/10/2021	01/10/2021	O.B.01.018 Modified method based on 4500 NO ₃ ⁻ -B (APHA, Standard Methods lat. ed.) (*)
	9. Determination of COD	01/10/2021	01/10/2021	O.B.01.023 HACH LCK 314, LCK 514
	10. Determination of hexavalent Chromium	01/10/2021	01/10/2021	O.B.01.024 Modified method based on 3500 – Cr / B (APHA, Standard Methods lat. ed.) and HACH LCK 313
	11. Determination of Turbidity	01/10/2021	01/10/2021	O.B.01.028 Modified method based on 2130 B (APHA, Standard Methods lat. ed.) (*) using a portable turbidity meter
	12. Determination of free cyanides	01/10/2021	01/10/2021	O.B.01.027 HACH LCK 315
	13. Determination of free Chlorine	01/10/2021	01/10/2021	O.B.01.026 Modified method based on 4500 ClG (APHA, Standard Methods lat. ed.), with Portable Photometer
	14. Determination of colour	01/10/2021	01/10/2021	O.B.01.029 Modified method based on 2120 C (APHA, Standard Methods lat. ed.) (*)
	15. Determination of fluoride ions	01/10/2021	01/10/2021	O.B.01.030 Modified method based on 4500 F D. SPADNS (APHA, Standard Methods lat. ed.) (*)
	16. Determination of total solids	01/10/2021	01/10/2021	O.B.01.021 Modified method based on 2540 B (APHA, Standard Methods lat. ed.) (*)
	17. Potentiometric determination of chloride ions	01/10/2021	01/10/2021	O.B.01.042 In house method based on HACH Application DOC 316.52.93091 based on ISO 9297:2000 (*)
	18. Determination of total Alkalinity	01/10/2021	01/10/2021	O.B.01.043 In house method based on: HACH Application DOC 52.93085 και ISO 9963-1:1994
2. Potable, irrigation, bore hole,	Determination of 31 elements using	01/10/2021	01/10/2021	O.B.01.040 Modified method

Matrix Category	Types of Tests	DATE OF INITIAL DEVELOPMENT (INITIATION)	DATE OF LAST MODIFICATION	METHODS / TECHNIQUES APPLIED
ground and surface waters	ICP-MS 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			based on 3125 A, B (APHA, Standard Methods lat. ed.) (*)
3. Potable, bore hole and ground waters	1. Determination of bromate ion (BrO_3^-) and Chlorite ion (ClO_2^-)	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.B.01.038 HACH LCK 385 (*)
4. Potable, surface and ground water, intended or not for human consumption	1. Determination of 16 polycyclic aromatic hydrocarbons PAHs: Acenaphthene, Acenaphthylene, Anthracene, benzo(a) Pyrene, benzo(a)anthracene, benzo(b) fluoranthene, benzo(ghi) perylene, benzo(k) fluoranthene, Chrysene, dibenzo(ah)anthracene, Fluoranthene, Fluorene, indeno (123 cd) perylene, Naphthalene, Phenanthrene, Pyrene	01/10/2021	01/10/2021	OB .15.001 In house method GC-MS-MS modified and based on: 1. ISO 28540, Determination of 16 polycyclic aromatic hydrocarbons (PAH) in water- Method using gas chromatography with mass spectrometric detection
	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 153, PCB 170, PCB 180, PCB 194, PCB 209	01/10/2021	01/10/2021	2. EAOTEN ISO 6468, Determination of certain organochlorine insecticides, polychlorinated biphenyls and chlorobenzenes - Gas chromatography method after liquid-liquid extraction (*)
	3. Determination of 9 PCTs: - 3,3"-Dichloro-o-terphenyl, - 3,3"-Dichloro-p-terphenyl, - 3',4,4"-Trichloro-m-terphenyl, - 3,3",4,4"-Tetrachloro-o-terphenyl - 3,3",4,4"-Tetrachloro-p-terphenyl - 3,3",5,5"-Tetrachloro-p-terphenyl, - 3,3',3",4,4"-Pentachloro-m-terphenyl - 2,2",4,4",5,5"-Hexachloro-p-terphenyl, - 3,3",4,4",5,5"-Hexachloro-p-terphenyl	01/10/2021	01/10/2021	
	4. Determination of 14 volatile substances VOCs: Benzene, Toluene, m-Xylene, p-Xylene, o-Xylene, Ethylbenzene, Vinylchloride, 1,2-Dichloroethane, Total trialomethanes Tribromomethane (Bromoform), Trichloromethane (Chloroform), Bromodichloromethane, Dibromochloromethane Aloethenes Trichloroethene, Tetrachloroethene	01/10/2021	01/10/2021	O.B.15.002 In house method GC-MS/ HS-SPME modified and based on: 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	OB.15.002In house method GC-MS/ HS-SPME modified and based on: EAOT-EN 14207 Determination of epichlorohydrin (*)
	6. Determination of Acrylamide	01/10/2021	01/10/2021	O.B.15.003 In house method UPLC-MSMS modified and based on: 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: - 2,3,4, 6 tetrachlorophenol,	01/10/2021	01/10/2021	O.B.15.004 In house method GC-MSMS modified and based

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)	- 2 chlorophenol, - 2,4,5-Trichlorophenol, - 2,4,6-Trichlorophenol, - 2,4-Dichlorophenol, - 2,4-Dimethylphenol, - 2,6-Dichlorophenol, - 4-Chloro-3-methyl phenol, - Pentachlorophenol			on: EAOT / 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.B.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.B.01.037 Modified method based on ISO 8467 (*)
	10. Determination of contaminants - Bromates, - Chlorate, - Perchlorate	01/10/2021	01/10/2021	OB.02.040 In House LC-MS-MS method by direct injection based on: 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) 2. Analysis of Bromate in Drinking Water Using Liquid Chromatography–Tandem Mass Spectrometry without Sample Pretreatment, ANALYTICAL SCIENCES NOVEMBER 2011, VOL. 27, 1091 3. SANTE/ Lat. Ed. of the European Commission
	11. Determination of Haloacetic acids (HAAs) - Chloroacetic acid (MCAA) - Bromoacetic acid (MBAA) - Dichloroacetic acid (DCAA) - Bromochloroacetic acid (BCAA) - Dibromoacetic acid (DBAA) - Trichloroacetic acid (TCAA) - Bromodichloroacetic(BDCAA) - Chlorodibromoacetic(CDBAA) - Tribromoacetic acid (TBAA)	08/02/2022	08/02/2022	O.15.006 Internal method LC-MSMS based on: 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: Determination of Bisphenol A (BPA) in Commercially Packaged Ready-to-Consumed 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 sum / total perfluoroalkyl and polyfluoroalkyl	08/02/2022	08/02/2022	O.15.006 Internal method LC-MSMS based on:

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)	substances PFAS - Perfluorobutanoic acid (PFBA) - Perfluoropentanoic acid (PFPA) - Perfluorohexanoic acid (PFHxA) - Perfluoroheptanoic acid (PFHpA) - Perfluorooctanoic acid (PFOA) - Perfluorononanoic acid (PFNA) - Perfluorodecanoic acid (PFDA) - Perfluoroundecanoic acid (PFUnDA) - Perfluorododecanoic acid (PFDoDA) - Perfluorotridecanoic acid (PFTrDA) - Perfluorobutane sulfonic acid (PFBS) - Perfluoropentane sulfonic acid (PFPS) - Perfluorohexane sulfonic acid (PFHxS) - Perfluoroheptane sulfonic acid (PFHpS) - Perfluorooctane sulfonic acid (PFOS) - Perfluorononane sulfonic acid (PFNS) - Perfluorodecane sulfonic acid (PFDS) - Perfluoroundecane sulfonic acid - Perfluorododecane sulfonic acid - Perfluorotridecane sulfonic acid			1. Application SCIEX Quantitation of PFASs in Water Samples using LC-MS/MS Large-Volume Direct Injection and Solid Phase Extraction 2. ISO 21675 Water quality – Determination of perfluoroalkyl and polyfluoroalkyl substances (PFAS) in water – Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS)
5. Swimming pool water	1. Determination of pH	01/10/2021	01/10/2021	O.B.01.005 4500-H, B (APHA, Standard Methods lat. ed.)
	2. Determination of total Alkalinity	01/10/2021	01/10/2021	O.B..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.B.01.028 Modified method based on 2130 B (APHA, Standard Methods lat. ed.) using a portable turbidity meter