Hellenic Accreditation System

Annex F1/A35 to the Certificate No. **102**-7

SCOPE of ACCREDITATION

of

the Testing Laboratory

«EUROFINS Athens Analysis Laboratories PCC»

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Chemical Tests		
1. Water (water for human consumption, pool water*, surface water, drilling water), waste and wastewater(1) *Parameters 2, 5, 16 and 33	1. Measurement of electric conductivity (#)	ISO 7888:1985
		In house method (OE-7.0-143) based on ISO 7888:1985 by discrete analysis system
	2. Determination of pH (#)	ISO 10523:2008
		In house method (OE-7.0-143) based on ISO 10523:2008 by discrete analysis system
	3. Determination of turbidity (#)	ISO 7027-1:2016
	4. Determination of chlorides (#)	ISO 9297:1989
	5. Determination of total and composite alkalinity, carbonate (CO_3^{2-}) and bicarbonate (HCO^{3-}) ions and carbonate hardness	ISO 9963-1:1994
		In house method (OE-7.0-143) based on ISO/TS 15923-2:2017 by discrete analysis system
	6. Determination of nitrate (#)	LCK 339
	7. Determination of nitrite (#)	ISO 6777:1984
	8. Determination of Chemical Oxygen Demand (COD)	ISO 15705:2002
	9. Determination of total and free phosphorus (#)	In house method (OE-7.0-62) based on ISO 6878:2004
	10. Determination of Kjeldahl nitrogen	ISO 5663:1984
	11. Determination of BOD	In house method (OE-7.0-41) based on APHA 5210D, 24th Edition

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
1. Water (water for human consumption, pool water*, surface water, drilling water), waste and wastewater(1) *Parameters 2, 5, 16 and 33 (continued)	12. Determination of suspended solids	ELOT EN 872:2005
	13. Determination of aluminum (#)	In house method (OE-7.0-67) based on ISO 10566:1994
	14. Determination of boron (#)	In house method (OE-7.0-68) based on ISO 9390:1990
	15. Determination of free and total cyanide (#)	In house method (OE-7.0-69) based on APHA 4500-CN, 24th Edition and ISO 6730/2:1984
		In house method (OE-7.0-143) based on APHA 4500-CN, 24th Edition, by discrete analysis system with photometric detection
	16. Determination of free and total chlorine	In house method (OE-7.0-70) based on ISO 7393-2:2017
	17. Determination of hexavalent chromium (#)	In house method (OE-7.0-71) based on APHA 3500-Cr B, 24th Edition
	18. Determination of sulfate (#)	APHA 4500-SO42- E,, 24th Edition
	19. Determination of iron (#	In house method (OE-7.0-74) based on APHA 3500-Fe B, 24th Edition
	20. Determination of fluoride (#)	In house method (OE-7.0-75) based on APHA 4500-F- D, 24th Edition
	21. Determination of colour (#)	ELOT EN ISO 7887:2011
		In house method (OE-7.0-143) based on ELOT EN ISO 7887:2011, by discrete analysis system with photometric detection
	22. Determination of Total Carbon (TC) and Total Organic Carbon (TOC) (#) ($)	APHA 5310-B, 24th Edition
	23. Determination of Oil and Grease	In house method (OE-7.0-90) based on APHA 5520 B and on APHA 5520 G, 24th Edition
	24. Determination of silicates	Hach-Lange Method 8185
	25. Determination of Anionic Surfactants	In house method (OE-7.0-91) based on APHA 5540 C,, 24th Edition
	26. Determination of Cationic Surfactants	LCK 331
	27. Determination of Nonionic Surfactants	LCK 333
	28. Determination of Total Solids (Dry Residue), Total Dissolved Solids, Volatile Solids (total, dissolved and suspended) and Fixed Solids (total, dissolved and suspended)	In house method (OE-7.0-98) based on APHA 2540 BC, D&E, 24th Edition

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
1. Water (water for human consumption, pool water*, surface water, drilling water), waste and wastewater(1) *Parameters 2, 5, 16 and 33 (continued)	29. Determination of Formaldehyde	LCK 425
	30. Determination of Sulfite	In house method (OE-7.0-157) based on APHA 4500-SO32- B, 24th Edition
	31. Determination of Ammonium (#)	ISO 7150-1:1984 & ISO 5664:1984
	32. Determination of Total Nitrogen	Calculated by the sum of nitrate nitrogen, nitrite nitrogen and Kjeldahl nitrogen
		In house method (OE-7.0-153) based on ISO 11905-1:1997, LCK 238 and LCK 138
		In house method (OE-7.0-227) based on ISO 13878:1998 for wet drains and compost waste
	33. Determination of Cyanuric Acid	In house method (OE-7.0-158) based on HACH Method 8139
	34. Determination of sulfides (S2-) and hydrogen sulfide (H2S)	LCK 653
	35. Determination of phenols (phenol index)	LCK 345
	36. Determination of ammonium, nitrate, nitrite, chloride, orthophosphate, sulfate and silicate by discrete analysis system with photometric detection (#)	ISO 15923-1:2013
	37. Determination of hexavalent chromium, fluoride, and hardness by discrete analysis system with photometric detection (#) ($)	ISO/TS 15923-2:2017
	38. Determination of dissolved oxygen	ISO 17289:2014
	39. Determination of Volatile Organic Compounds (VOCs) (#): Chloroform, 1,1,1-Trichloroethane,1,1,2-TrichloroethaneTetrachloromethane, Benzene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane, Trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Dibromochloromethane, m-Xylene, p-Xylene, o-Xylene, Bromoform (Tribromomethane), 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, Epichlorohydrin, Vinyl chloride	In house method (OE-7.0-140) based on ISO 17943:2016 and ISO 20595:2018.
	40. Determination of Bromates, Chlorates, Perchlorates, Chlorites (#)	In house method (OE-7.0-144) based on Environ. Sci. Technol. 2005 15;39 (12):4586-93 with LC-MS/MS
	41. Determination of Adsorbable Organic Halogens (AOX)	LCK 390
	42. Determination of settleable solids (Imhoff)	APHA 2540 F, 24th Edition
	43. Determination of Sodium Adsorption Ratio (SAR), Langelier index and Ryznar index	In house method (OE-7.0-191) based on U.S. Salinity Laboratory, Agriculture Handbook No. 60, 1954

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
1. Water (water for human consumption, pool water*, surface water, drilling water), waste and wastewater(1) *Parameters 2, 5, 16 and 33 (continued)		ASTM- D3739-19 APHA 2330, 24th Edition
	44. Determination of Anions (Br^-, Cl^-, F^-, NO_3^-, NO_2^-, PO_4^{2-}, SO_4^{2-}) (#)	In house method (OE-7.0-242) based on ISO 10304-1:2009
	45. Determination of elements (flexible scope) (#) The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory (Document E-5.2, according to ESYD/G-FYTOPROST 2016, Link: LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE)	In house method (OE-7.0-93) with ICP-MS, based on ISO 17294-1:2024 and on ISO 17294-2:2023
	The flexibility that applies covers the following categories. Flexibility in relation to: • adding new elements to existing matrices • the integration of new matrices in existing methods • the extension of methods to a new subcategory of matrices • the extension/modification of existing methods (technique, scope of determination, quantification limit) Accredited Methods are described in detail on the Laboratory site. LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE	
2. Water (water for human consumption, surface water, groundwater)	1. Determination of calcium	ELOT 169:1978
	2. Determination of total hardness	ELOT 170:1980
	3. Determination of permanent hardness	Calculated by the total and carbonate hardness
	4. Determination of 184 pesticide residues (#): Acetochlor, Acrinathrin, Aldrin, Atrazine, AzinphosEthyl, AzinphosMethyl, Benalaxyl, Benfluralin, Bifenox, Bifenthrin, Biphenyl, Bitertanol, Bromocyclen, BromophosEthyl, BromophosMethyl, Bromopropylate, Bromuconazole, Buprofezin, Butafenacil, Cadusafos, Carbaryl, Carbofuran, Carbophenothion, Carbosulfan, Chlordanealpha (cis), Chlordanegamma (trans), Chlorfenapyr, Chlorfenson, Chlorfenviphos, Chlorobenzilate, Chloropropylate, Chlorothalonil, ChlorpyriphosEthyl, ChlorpyriphosMethyl, Chlorthaldimethyl/DCPA, ChlorthionMethyl, Clodinafop-propargyl, Cloquintocetmexyl, Coumaphos, Cyfluthrin (4p.), Cyfluthrin-beta, Cyhalothrin-λ, Cypermethrin (4p.), Cypermethrin-αlpha, Cyproconazol, Cyprodinil, DDD-pp΄, DDE-pp΄, DDT-op΄, DDT-pp΄, Deltamethrin, Diazinon, Dichlobenil, Dichlofenthion, Dichlofluanid, Dichloran, Dichlorvos, Diclobutrazol, Dicofol, Dieldrin, Difenoconazole, Diflufenican, Dimethenamid, Diniconazol, Diphenamid, Endosulfanalpha, Endosulfanbeta, Endosulfanlactone, Endosulfansulfate, Endrin, Epoxiconazole, Esfenvalerate, Etaconazol, Ethalfluralin, Ethion, Ethoprophos, Etridiazol, Etrimfos, Famphur, Fenamiphos, Fenarimol, Fenazaquin, Fenbuconazol, Fenchlorphos, Fenitrothion, Fenoxycarb, Fenproparthrin, Fenpropidin, Fenpropimorph, Fenson, Fenvalerate, Fluazifop-P-butyl, Fluchloralin, Flucythrinate, Fludioxonil, Flufenoxuron, Fluquinconazole, Flusilazole, Fluvalinate-tau, Folpet, Furalaxyl, HCHalpha, HCHbeta, HCHdelta, HCHgamma (Lindane), Heptachlor, HeptachlorEpoxideA, HeptachlorEpoxideB, Hexachlorobenzene, Hexaconazole, Iodofenphos, Iprobenphos, Iprodione, Isazophos, Isodrin, Isofenphos, IsofenphosMethyl, Isoprocarb, Leptophos, Malathion, Mepronil, Metazachlor, Methidathion, Methoxychlor, Metolachlor, Metribuzin, Mirex, Myclobutanil, Nitrapyrin, Nitrofen, Nitrothalisopropyl, Nuarimol, o-phenylphenol, Oxadiazon, Oxyfluorfen, Paclobutrazol, ParathionEthyl, ParathionMethyl, Penconazole, Pendimethalin, Pentachloroanisole, Permethrin, Perthan, Phenothrin, Phenthoate, Phorate, Phosalone, Phosmet, Picolinafen, Piperonylbutoxide (PBO), PirimiphosEthyl, PirimiphosMethyl, Procymidone, Profenofos, Prometryn, Propargite, Propazine, Propham, Propyzamide, Prothiofos, Pyrazophos, Pyridaben, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Quintozene, Resmethrin, S421, Simazine, Spirodiclofen, Tebuconazole, Tecnazene, Tefluthrin, Terbuthylazine, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetramethrin, Tetrasul, Thiobencarb, TolclofosMethyl, Tolylfluanid, Transfluthrin, Triadimefon, Triazophos, Trichloronate, Trifluralin, Triticonazole, Uniconazole, Vinclozolin	In house method (OE-7.0-79) based on APHA 6410B, 24th Edition with GC-MS/MS
2. Water (water for human consumption, surface	5. Determination of 248 pesticide residues (#): 2,3,5-Trimethacarb/3,4,5-Trimethacarb, Acephate, Acetamiprid, Aldicarb,	In house method (OE-7.0-79) based on APHA 6410B, 24th Edition with LC-

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
water, groundwater) (continued)	AldicarbSulfone, Ametoctradin, Ametryn, Asulam, Atrazine, Azaconazole, Azamethiphos, Azimsulfuron, AzinphosEthyl, AzinphosMethyl, Azoxystrobin, Benalaxyl, Benfuracarb, Bentazone, Benthiavalicarb-isopropyl, Benzoximate, Bispyribac-sodium, Bromacil, Bromoxynil, Bromuconazole 1&2, Bupirimate, Buprofezin, Butafenacil, Butocarboximsulfone, Butocarboximsulfoxide, Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-hydroxy, Carbofuran-3-keto, Carboxin, CarfentrazoneEthyl, Carpropamid, Chlorantraniliprole, Chlorbromuron, Chlorfenvinphos 1&2, Chloridazon, Chloroxuron, ChlorpyriphosEthyl, Chlorsulfuron, Chlortoluron, Clethodim, Climbazol, Clodinafop-propargyl, Clomazone, Cloquintocet-mexyl, CloransulamMethyl, Clothianidin, Coumaphos, Crimidine, Cycloate, Cycloxydim, Cyproconazol 1&2, Cyprodinil, Demeton-S-methyl, Demeton-S-methylsulfone, Desmethyl-formamido-pirimicarb, Desmethyl-pirimicarb, Desmetryn, Diazinon, Dichlorfenthion, Diclobutrazol, Dicrotophos, Diethofencarb, Difenoconazol 1&2, Diflubenzuron, Dimethenamid, Dimethoate, Dimethomorph 1&2, Dimoxystrobin, Diphenamid, Dipropetryn, Diuron, DMST, Dodemorph, Epoxiconazol, Etaconazole, Ethiofencarb, Ethiofencarbsulfone (NH4+), Ethiofencarbsulfoxide, Ethion, Ethiprole, Ethirimol, Ethoprophos, Etoxazole, Etrimfos, Fenamidone, Fenamiphos, Fenamiphossulfone, Fenamiphos-Sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenitrothion, Fenoxaprop-P-ethyl, Fenoxycarb, Fenpropimorph, Fenpyroximate, Fensulfothion, Fenthionoxon, Fenthionsulfoxide, Fipronil, Fipronil-desulfinyl, Fluazifopbutyl, Fluazifop P, Flubendiamide, Fludioxinil, Flufenacet, Fluometuron, Fluopicolide, Fluoxastrobin, Flusilazole, Flutolanil, Flutriafol, Forchlorfenuron (CPPU), Formetanate, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Halofenozide, Haloxyfop-2-ethoxyethyl, Heptenophos, Hexazinone, ImazamethabenzMethyl, Imazaquin, Imidachloprid, Ioxynil, Iprobenphos, Iprovalicarb 1&2, Isazofos, Isofenphos, Isoprocarb, Isoprothiolane, Isoproturon, Isoxathion, Lenacil, Linuron, Mecarbam, Mephospholan, Mepronil, Metalaxyl M, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methamidophos, Methidathion, Methiocarb, Methiocarbsulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metoxuron, Metrafenone, Metribuzin, MetsulfuronMethyl, Monocrotophos, Monolinuron, Myclobutanil, Napropamide, Neburon, Nicosulfuron, Nitenpyram, Norflurazon, N-Phenylurea, Ofurace, Omethoate, Oxadixyl, Oxamyl-oxime, Oxycarboxin, OxydemetonMethyl, Paclobutrazol, ParaoxonEthyl, Penconazole, Pencycuron, Penoxsulam, Pethoxamid, Phenthoate, Phosalone, Phosdrin (Mevinphos), Phosmet, Phosphamidon, Phoxim, Picoxystrobin, Pinoxaden, Piperonylbutoxide, Pirimicarb, PirimiphosEthyl, PirimiphosMethyl, Prochloraz, Profoxydim 1, Profoxydim 2, Promecarb, Prometryn, Propachlor, Propamocarb, Propazine, Propiconazole, Propoxur, Propyzamide, Proquinazid, Prosulfocarb, Pymetrozine, Pyraclostrobin, PyraflufenEthyl, Pyrazophos, Pyridaphenthion, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Quinalphos, Quinoxyfen, QuizalofopEthyl, Rimsulfuron, Rotenone, Sethoxydim, Simazine, Simeconazole, Spiroxamine, Sulfentrazone, Sulfotep, Tebufenozide, Tebuthiuron, Tepraloxydim, Terbufossulfone, Terbufossulfoxide (NH4+), Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Thiabendazole, Thiachloprid, Thiamethoxam, ThifensulfuronMethyl, Thiobencarb, Thiodicarb, Thiometonsulfone, ThiophanateMethyl, Tralkoxydim, Triadimefon, Triasulfuron, Triazophos, TribenuronMethyl, Tricyclazole, Trifloxystrobin, Triflumizole, Uniconazole, Vamidothion, Vamidothionsulfone, Vamidothionsulfoxide, Zoxamide	MS/MS
	6. Determination of PAHs (#): acenaphtene, acenaphthylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[ghi]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a.h]anthracene, fluoranthene, fluorene, indeno[1.2.3-cd]pyrene, naphtalene, phenanthrene, pyrene	In house method (OE-7.0-80) based on ISO 28540:2011 with GC-MS/MS
	7. Determination of nitrate with ultraviolet Sprectrophotometric Screening method (#)	APHA 4500-NO_3^- B, 24th Edition
	8. Determination of 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	In house method (OE-7.0-81) based on 6410B, 24th Edition with GC-MS/MS
	9. Determination of PCTs: 2,3,4,5,6-pentachloro-p-terphenyl, 2,3,5,6-tetrachloro-p-terphenyl, 2,4,6-trichloro-p-terphenyl, 2,5-dichloro-p-terphenyl	In house method (OE-7.0-82) based on APHA 6410B, 24rd Edition with GC-MS/MS
2. Water (water for human consumption, surface water, groundwater)	10. Determination of Hydrocarbons and Mineral oils (Hydrocarbon oil index)	In house method (OE-7.0-83) based on ISO 9377-2:2000 with GC-FID
	11. Determination of Phenols :	In house method (OE-7.0-84) based

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
(continued)	2,4,6 Trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2-Nitrophenol, 4-Nitrophenol, 4-chloro-3-methylphenol, Pentachlorophenol, DNOC	on APHA 6410B, 24th Edition with GC-MS/MS
	12. Determination of Acrylamide (#)	In house method (OE-7.0-86) based on Environmental Agency, UK (2009) with LC-MS/MS
	13. Determination of Permanganate Index (Oxidisability) (#)	ELOT EN ISO 8467
		LCK 394
	14. Determination of Chloramine (Monochloramine)	In house method (OE-7.0-154) based on HACH method 10200
	15. Determination of Ozone (O_3) and substances that discolour indigo pigment	In house method (OE-7.0-155) based on APHA 4500-O_3, 24th Edition
	16. Determination of Halogen Acids Concentration (#) Bromochloroacetic acid, Bromodichloroacetic acid, Bromoacetic acid, Chloroacetic acid, Dibromoacetic acid, Dibromochloroacetic acid, Dichloroacetic acid, Tribromoacetic acid, Trichloroacetic acid	In house method (OE-7.0-163) with LC-MS/MS, based on J. Duan, Analytical Methods, 2011, 7, 1667-1673
	17. Determination of Uranium ^{234}U, ^{235}U και ^{238}U (##)	In house method (OE-7.0-130) based on ISO 17294-2:2023
	18. Determination of Per- and Polyfluoroalkyl Substances (PFAS) (#) Perfluorobutyric acid (PFBA), Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnDA), Perflurododecanoic acid (PFDoDA), Perfluorotridecanoic acid (PFTrDA), Perfluorobutanesulfonic acid (PFBS), Perfluoropentanesulfonic acid (PFPeS), Perfluorohexanesulfonic acid (PFHxS), Perfluoroheptanesulfonic acid (PFHpS), Perfluorooctanesulfonic acid (PFOS), Perfluorononanesulfonic acid (PFNS), Perfluorodecanesulfonic acid (PFDS), Perfluoro-N-undecansulfonic acid , Perfluorododecanesulfonic acid , Perfluoro-N-tridecanesulfonic acid	In house method (OE-7.0-215) based on ISO 21675
	19. Determination of microcystine LR (#)	In house method (OE 7.0-219) with LC-MS/MS
	20. Determination of Nonylphenol (cas number: 84852-15-3) and 4-N-Nonylphenol (cas number: 104-40-5) (#)	In house method (OE 7.0-233) with LC-MS/MS based on EPA 559 Ver 1.0 Sep. 2020 and APHA 6410B, 24th Edition.
	21. Determination of 17b-Estradiol (#)	In house method (OE 7.0-234) with LC-MS/MS based on APHA 6410B, 24th Edition
	22. Determination of Bisphenol A (#)	In house method (OE 7.0-225) with LC-MS/MS based on Peng-Peng Hao

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
		(2020): Determination of bisphenol A in barreled drinking water by a SPE–LC–MS method, Journal of Environmental Science and Health, Part A
	23. Determination of Un-Ionized Ammonia	In house method (OE 7.0-236) based on EPA, 1998, 822-R-98-008
3. Seawater and Wastewater(1)	Determination of Hydrocarbons and Mineral oils (hydrocarbon oil index)	In house method (OE-7.0-83) based on ISO 9377-2:2000 with GC-FID
4. Seawater and high salinity wastewater	Determination of Chemical Oxygen Demand (COD)	LCK 1814
5. Surface water and Seawater	1. Determination of chlorophyl A	ISO 10260:1992
	2. Determination of Water Transparency	In house method (OE-7.0-238) based on ISO 7027-2:2019
6. Surface water	1. Determination of Trophic State Index (Carlson)	In house method (OE-7.0-235) based on Carlson, 1977, Limnology and Oceanography 22(2):361-369
	2. Determination of Water Quality Index	In house method (OE-7.0-237) based on
7. Water, hemodialysis fluid and ultra-pure hemodialysis fluid for hemodialysis and related therapies	1. Determination of Li, Be, B, Na, Mg, Al, P, K, Ca, Ti, V, Cr, Mn, Co, Fe, Ni, Cu, Zn, As, Se, Sr, Mo, Ag, Cd, Sn, Sb, Ba, Hg, Tl, Pb and U	In house method (OE-7.0-93) based on ISO 17294-1:2024 and on ISO 17294-2:2023, ISO 23500-5:2024
	2. Determination of pH	In house method (OE-7.0-143) based on ISO 10523:2008 by discrete analysis system
	3. Determination of Permanganate Index (Oxidisability)	ELOT EN ISO 8467
	4. Determination of free and total cyanide	In house method (OE-7.0-143) based on APHA 4500-CN,- 24th Edition by discrete analysis system with photometric detection
	5. Determination of chlorides	ISO 9297:1989
	6. Determination of fluoride	In house method (OE-7.0-75) based on APHA 4500-F^- D, 24th Ed.
	7. Determination of nitrate	LCK 339
	8. Determination of Ammonium	ISO 7150-1:1984& ISO 5664:1984

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	9. Determination of sulfate	APHA 4500-SO_4^{2-} E, 24th Edition
	10. Determination of Chloramine (Monochloramine)	In house method (OE-7.0-154) based on HACH method 10200
8. Wastewaters and fire-fighting foams	Determination of Per- and Polyfluoroalkyl Substances (PFAS) Perfluorobutyric acid (PFBA), Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnDA), Perflurododecanoic acid (PFDoDA), Perfluorotridecanoic acid (PFTrDA), Perfluorobutanesulfonic acid (PFBS), Perfluoropentanesulfonic acid (PFPeS), Perfluorohexanesulfonic acid (PFHxS), Perfluoroheptanesulfonic acid (PFHpS), Perfluorooctanesulfonic acid (PFOS), Perfluorononanesulfonic acid (PFNS), Perfluorodecanesulfonic acid (PFDS), Perfluoro-N-undecansulfonic acid , Perfluorododecanesulfonic acid , Perfluoro-N-tridecanesulfonic acid	In house method (OE-7.0-215) based on ISO 21675
9. Foods of plant origin a) Fruits and vegetables with high water content b) Cereals, pulses, nuts c) Foods of plant origin products with high fat content d) Products with high sugar content e) Plant leaves f) Infant and Baby foods	Determination of pesticide residues in a flexible scope of the following categories: Organophosphates, Organochlorinated, Pyrethroids, Triazoles, Triazines, Dinitroanilines, Amides, Benzimidazoles, Carbamates, Aryloxy-alkanoic acids, Benzoyl ureas, Strobilurins, Neonicotinoids, Polar, Dithiocarbamates, Phenolic Acids, Phthalimides, Biocides The active substances that are determined, are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory (Document E-5.2, according to ESYD/G-FYTOPROST 2016, Link: LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE)	In house method OE-7.0-56 OE-7.0-135 OE-7.0-136 OE-7.0-141 OE-7.0-142 OE-7.0-162 All the above are based on SANTE/11312/2021 **Analytical Techniques** LC-MS/MS, GC-MS/MS, GC-MS In house method of Flexible Scope OE-7.2-7
	The flexibility that applies covers the following categories Flexibility in relation to • adding new elements to existing matrices • the integration of new matrices in existing methods • the extension of methods to a new subcategory of matrices • the extension / modification of existing methods (technique, scope of determination, quantification limit) Accredited Methods are described in detail on the Laboratory's site. LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE	
10. a) 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], as referred to Regulations EC 396/2005 and EC 187/2006 b) Cereals, pulses, nuts	1. Determination of 459 pesticide residues: 2.3.5-Trimethacarb/3.4.5-Trimethacarb, 2.4-D, 2-Naphthoxy acetic acid, Acephate, Acetamiprid, Acetochlor, Acibenzolar-S-methyl, Aclonifen, Acrinathrin, Alaclor, Aldicarb, Aldicarb sulfone, Allethrin, Ametoctradin, Ametryn, Amidosulfuron, Aminocarb, Atrazine, Atrazine-desethyl, Azaconazole, Azadirachtin, Azamethiphos, Azimsulfuron, Azinphos ethyl, Azinphos methyl, Azoxystrobin, Barban, Beflubutamid, Benalaxyl, Bendiocarb, Bensulfuron methyl, Bentazone, Benthiavalicarb-isopropyl, Benzoximate, Bifethrin, Bispyribac-sodium, Bitertanol, Bixafen, Boscalid, Bromacil, Bromoxynil, Bromuconazole, Bupirimate, Buprofezin, Butafenacil, Butocarboxim, Butocarboxim sulfone, Butocarboxim sulfoxide, Butralin, Buturon, Butylate, Cadusafos, Carbaryl, Carbendazim, Carbetamide, Carbofuran-3-hydroxy, Carbofuran-3-keto, Carbophenothion,, Carboxin, Carfentrazone ethyl, Carpropamid, Chlorantraniliprole, Chlorbromuron, Chlorbufam, Chlorfenson, Chlorfenvinphos, Chlorfluazuron, Chloridazon, Chloroxuron, Chlorpropham, Chlorpyriphos ethyl, Chlorpyriphos methyl, Chlorsulfuron, Chlorthiophos, Chlortoluron, Chromafenozide, Cinidon ethyl, Clethodim, Climbazole, Clodinafop-propargyl, Clomazone, Cloransulam methyl, Cloquintocet mexyl, Clothianidin, Coumaphos, Crimidine, Cyanazine, Cyanofenphos, Cyanophos, Cyazofamid, Cyclanilide, Cycloate, Cycloxydim, Cyflufenamid, Cyhalothrin-lambda, Cymoxanil, Cypermehrin, Cyproconazole, Cyprodinil, DEET, Deltamethrin, Demeton-S-methyl, Demeton-S-methyl sulfone, Demeton-S-methyl sulfoxide, Desmedipham, Desmetryn, Diallate, Diazinon, Dicamba, Dichlofenthion, Dichlorprop, Diclobutrazol, Diclosulam, Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Diflufenican,	In house method (OE-7.0-210), based on ELOT EN 15662 and SANTE/11312/2021 LC-TOF-MS

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	Dimethachlor, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole, Dinitramine, Dinobuton, Dinoseb, Dinoterb, Dioxacarb, Dioxathion, Diphenamid, Dipropetryn, Disulfoton sulfone, Disulfoton sulfoxide, Disulfuton, Diuron, DMF, DMPF, DMST, DNOC, Dodemorph, Emamectin benzoate, EPN, Epoxiconazole, Etaconazole, Ethiofencarb, Ethiofencarb sulfone, Ethiofencarb sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Ethoxysulfuron, Etofenprox, Etoxazole, Etrimfos, Famoxadone, Famphur, Fenamidone, Fenamiphos, Fenamiphos sulfone, Fenamiphos sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenchlorazol ethyl, Fenchlorphosoxon, Fenhexamid, Fenobucarb, Fenoxaprop, Fenoxycarb, Fenpiclonil, Fenpropathrin, Fenpropimorph, Fenpyroximate, Fensulfothion, Fensulfothionoxon sulfone, Fensulfothion sulfone, Fenthion, Fenthion oxon, Fenthion oxon sulfone, Fenthion oxon sulfoxide, Fenthion sulfone, Fenthion sulfoxide, Fenuron, Fenvalerate, Fipronil, Fipronil desulfinyl, Fipronil sulfone, Flazasulfuron, Flonicamid, Fluazifop butyl, Fluazifop P, Flubendiamide, Fludioxinil, Flufenacet, Flufenoxuron, Flumetralin, Flumioxazine, Fluometuron, Fluopicolide, Fluopyram, Fluotrimazole, Fluoxastrobin, Flupyradifurone, Fluqiconazole, Flurochloridone, Fluroxypyr, Fluroxypyrmeptyl, Flurprimidol, Flurtamone, Flusilazole, Fluthiacet methyl, Flutolanil, Flutriafol, Fluvalinate-tau, Fluxapyroxad, Fomesafen, Fonofos, Foramsulfuron, Forchlorfenuron (CPPU), Formetanate, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Gibberelic Acid, Halfenprox, Halofenozide, Halosulfuron methyl, Haloxyfop, Haloxyfop-2-ethoxyethyl, Haloxyfop-methyl, Heptenophos, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz methyl, Imazamox, Imazosulfuron, Imibenconazole, Imidacloprid, Indoxacarb, Iodosulfuron methyl sodium, Ioxynil, Ipconazole, Iprobenphos, Iprovalicarb, Isazofos, Isocarbophos, Isofenphos, Isofenphos methyl, Isoprocarb, Isopropalin, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Kresoxim methyl, Lactofen, Lenacil, Linuron, Lufenuron, Malaoxon, Malathion, Mandipropamid, MCPA, Mecarbam, Mecoprop P, Mefenacet, Mefenpyr diethyl, Mepanipyrim, Mephospholan, Mepronil, Metaflumizone, Metalaxyl/Metalaxyl M, Metazachlor, Metconazole, Methabenzthiazuron, Methamidophos, Methidathion, Methiocarb, Methiocarb sulfone, Methiocarb sulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metolcarb, Metosulam, Metoxuron, Metrafenone, Metribuzin, Metsulfuron methyl, Molinate, Monocrotophos, Monolinuron, Monuron, Myclobutanil, Napropamide, Neburon, Nitenpyram, Nitralin, Norflurazon, Novaluron, N-Phenylurea, Nuarimol, Ofurace, Omethoate, Oryzalin, Oxadiargyl, Oxadiazon, Oxadixyl, Oxamyl, Oxycarboxin, Oxydemeton methyl, Paclobutrazol, Paraoxon ethyl, Paraoxon methyl, Penconazole, Pencycuron, Pendimethalin, Penoxsulam, Permethrin, Pethoxamid, Phenmedipham, Phenthoate, Phorate, Phorate sulfoxide, Phosalone, Phosdrin (Mevinphos), Phosmet, Phosmetoxon, Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb desmethyl, Pirimicarb-desmethyl-formamido, Pirimiphos ethyl, Pirimiphos methyl, Pirimiphos-Methyl-N-Desethyl, Prallethrin, Prochloraz, Profenofos, Profoxydim, Promecarb, Prometryn, Propachlor, Propamocarb, Propanil, Propaquizafop, Propargite, Propazine, Propetamphos, Propiconazole, Propoxur, Propoxycarbazone, Propyzamide, Proquinazid, Prosulfocarb, Prosulfuron, Prothioconazole, Prothioconazoledesthio, Pyraclostrobin, Pyraflufen ethyl, Pyrasulfotole, Pyrazophos, Pyridaben, Pyridalyl, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Quinalphos, Quinoxyfen, Quizalofop ethyl, Rotenone, Saflufenacil, Sethoxydim, Siduron, Silthiofam, Simazine, Simeconazole, Spinetoram, Spinosyn A&D, Spirodiclofen, Spiromesifen, Spirotetramat, Spirotetramat Metabolite keto hydroxy, Spirotetramat Metabolite mono hydroxy, Spiroxamine, Sulfentrazone, Sulfosulfuron, Sulfotep, Sulfoxaflor, Sulprofos, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Teflubenzuron, Temephos, Tepraloxydim, Terbacil, Terbufos, Terbufos sulfone, Terbufos sulfoxide, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetramethrin, Thiabendazole, Thiachloprid, Thiamethoxam, Thidiazuron, Thifensulfuron methyl, Thiobencarb, Thiofanox sulfoxide, Thiometon sulfone, Thiophanate methyl, Tiocarbazil, Tolclofos Methyl, Topramezone, Tralkoxydim, Triadimefon, Triadimenol, Triallate, Triasulfuron, Triazophos, Tribenuron methyl, Trichlorfon, Triclopyr, Tricyclazole, Tridemorph, Trifloxystrobin, Triflumizole, Triflumuron, Triflusulfuron methyl, Triticonazole, Tritosulfuron, Uniconazole, Valifenalate, Vamidothion, Vamidothion sulfone, Vamidothion sulfoxide, Warfarin, Zoxamide.	
10. c) Plant origin products with high fat content 10. c) Plant origin products with high fat content (continued)	1. Determination of 355 pesticide residues: Acetamiprid, Acetochlor, Acibenzolar-S-methyl, Acrinathrin, Alachlor, Aldicarb, Aldicarb-sulfone, Allethrin, Ametoctradin, Ametryn, Aminocarb, Atrazine, Atrazine-desethyl, Avermectin B1a, Azaconazole, Azamethiphos, Azinphos-ethyl, Azinphos-Methyl, Azoxystrobin, Beflubutamid, Benalaxyl, Benthiavalicarb-isopropyl, Bitertanol, Bixafen, Bromacil, Bromuconazole, Bupirimate, Buprofezin, Butafenacil, Butocarboxim sulfone, Butralin, Butylate, Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-hydroxy, Carbophenothion, Carboxin, Carfentrazone Ethyl, Carpropamid, Chlorantraniliprole, Chlorbromuron, Chlorbufam, Chlorfluazuron, Chloridazon, Chloroxuron, Chlorpropham, Chlorpyrifos-ethyl, Chlorpyriphos-methyl, Chlorthiophos, Chlortoluron, Climbazole, Clodinafop-propargyl, Clofentezine, Clomazone, Cloquintocet-methyl hexyl ester, Cloquintocet-mexyl, Clothianidin, Coumaphos, Crimidine, Cyanazine, Cyanofenphos, Cycloate, Cyflufenamid, Cyhalothrin-lambda, Cyproconazole, Cyprodinil, Deltamethrin, Demeton-S-methyl, Demeton-S-methyl sulfone, Desmedipham, Desmetryn, Diazinon, Dichlofenthion, Dichlofluanid, Diclobutrazol, Dichlorprop, Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Diflufenican, Dimefuron, Dimethenamid, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole (E+Z), Dinitramine, Diphenylamine, Dipropetryn, Diuron, DMSA, DMST, Dodine, Epoxiconazole, Etaconazole, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethiprole, Ethofumesate, Ethoprophos, Ethoxyquin, Etofenprox, Etoxazole,	In house method (OE-7.0-210), based on ELOT EN 15662 and SANTE/11312/2021 LC-TOF-MS

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	Etrimfos, Famphur, Fenamiphos, Fenamiphos-sulfone, Fenamiphos-sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenchlorazol-ethyl, Fenchlorphos-oxon, Fenhexamid, Fenobucarb, Fenoxaprop-p-ethyl, Fenoxycarb, Fenpropathrin, Fenpyroximate, Fenson, Fensulfothion, Fensulfothion-oxon, Fenthion oxon sulfoxide, Fenthion-oxon, Fenthion-sulfone, Fenthion-sulfoxide, Fenvalerate, Fipronil, Flonicamid, Fluazifop, Fluazifop-butyl, Flubendiamide, Flucythrinate, Fludioxonil, Flufenacet, Flufenoxuron, Flumioxazin, Fluometuron, Fluopicolide, Fluopyram, Fluoxastrobin, Flupyradifurone, Fluquinconazole, Flurochloridone, Fluroxypyr-meptyl, Flurprimidol, Flusilazole, Fluthiacet-methyl, Flutolanil, Flutriafol, Fluvalinate-tau, Fluxapyroxad, Formetanate, Formothion, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Halfenprox, Halofenozide, Haloxyfop ethoxy ethyl ester, Haloxyfop-methyl, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Icaridin (Picaridin), Imazalil, Imazamethabenz-Methyl, Imibenconazole, Imidacloprid, Indoxacarb, Iodosulfuron-methyl-sodium, Ipconazole, Iprobenfos, Iprovalicarb, Isazophos, Isofenphos, Isofetamid, Isopropalin, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Karanjin, Kresoxim-methyl, Lactofen, Lenacil, Lufenuron, Malaoxon, Malathion, Mandipropamid, Mecarbam, Mefenacet, Mefenpyr-diethyl, Mepanipyrim, Mephosfolan, Mepronil, Metalaxyl -M, Metamitron, Metazachlor, Metconazole, Methidathion, Methiocarb, Methiocarb Sulfone, Methiocarb Sulfoxide, Methoprotryne, Methoxyfenozide, Metolachlor, Metoxuron, Metrafenone, Monolinuron, Myclobutanil, Naled, Napropamide, Neburon, Nitenpyram, Nitralin, Norflurazon, Novaluron, N-Phenylurea, Nuarimol, Omethoate, Oryzalin, Oxadiazon, Oxamyl, Oxathiapiprolin, Oxycarboxin, Paclobutrazol, Paraoxon-Methyl, Pencycuron, Pethoxamid, Phenthoate, Phorate, Phosalone, Phosmet, Phosmet oxon, Phosphamidon, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimiphos Ethyl, Prochloraz, Profenophos, Promecarb, Prometryne, Propachlor, Propanil, Propaquizafop, Propargite, Propazine, Propiconazole, Propoxycarbazone, Propoxur, Propyzamide, Prosulfocarb, Prosulfuron, Prothioconazole-desthio, Pyraclostrobin, Pyraflufen-ethyl, Pyrazophos, Pyrethrin I, Pyridaben, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Quizalofop Ethyl, Rotenone, Siduron, Silthiofam, Simazine, Simeconazole, Spirodiclofen, Spirotetramat, Sulfotep, Sulfoxaflor, Sulprofos, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Teflubenzuron, Temephos, Terbufos, Terbufos sulfone, Terbufos sulfoxide, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetraethylpyrophosphate, Tetramethrin, TFNA-AM, Thiabendazole, Thiacloprid, Thiamethoxam, Thiobencarb, Thiodicarb, Thiometon sulfoxide, Thiophanate methyl, Tolclofos Methyl, Tolyfluanid, Triadimefon, Triazophos, Trichlorfon, Triclopyr, Tricyclazole, Trifloxystrobin, Triflumizole, Triflumuron, Triticonazole, Uniconazole, Valifenalate, Vamidothion, Vamidothion sulfone, Vinclozolin.	
10. d) Products with high sugar content 10. d) Products with high sugar content (continued)	1. Determination of 465 pesticide residues: 1,2-Naphthoxyaceticacid, 1-Naphthylacetamide, 2,4,6-Trichlorophenol, 2,4-D, 2,6Dichlorobenzamide, 3,4,5-Trimethacarb, Acephate, Acetamiprid, Acibenzolar-S-methyl, Alachlor, Aldicarb, Aldicarb-sulfone, Allethrin, Ametoctradin, Ametryn, Amidosulfuron, Amidosulfuron, Aminocarb, Asulam, Atrazine, Atrazine-desethyl, Azaconazole, Azamethiphos, Azimsulfuron, Azinphos-ethyl, Azinphos-Methyl, Azoxystrobin, Beflubutamid, Beflubutamid, Benalaxyl, Bendiocarb, Bensulfuron-methyl, Bentazone, Benthiavalicarb-isopropyl, Benzoximate, Bifenazate, Bifenthrin, Bitertanol, Bixafen, Boscalid, Bromacil, Bromoxynil, BromuconazolePeak, BromuconazolePeak2, Bupirimate, Buprofezin, Butafenacil, Butocarboximfrag, Butocarboximsulfone, Butocarboxim-sulfoxide, Buturon, Butylate, Cadusafos, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carbofuran-3-hydroxy, Carbofuran-3-keto, Carboxin, CarfentrazoneEthyl, Carpropamid, Chlorantraniliprole, Chlorbromuron, Chlorbufam, ChlorfenvinphosmixofZ&Eisomers, Chloridazon, Chloroxuron, Chlorpropham, Chlorpyrifos-ethyl, Chlorpyriphos-methyl, Chlorsulfuron, Chlorthiamid, Chromafenozide, Clethodim, Climbazole, Clodinafop-propargyl, Clofentezine, Clomazone, Clopyralid, Cloquintocet--methylhexylester, Clothianidin, Coumaphos, Crimidine, Cyanazine, Cyanofenphos, Cyanophos, Cyantraniliprole, Cyazofamid, Cyclanilide, Cyclanilide, Cycloate, Cycloxydim, Cyflufenamid, Cymiazole, Cyproconazole, Cyprodinil, Deet, Deltamethrin, Demeton-S-methyl, Demeton-S-methyl sulfone, Demeton-S-methyl sulfoxide, Desmedipham, Desmetryn, Diallate, Diazinon, Dicamba, Dichlorprop, Diclofop Methyl, Dicrotophos, Diethofencarb, Difenoconazole, Diflubenzuron, Diflubenzuron, Diflufenican, Dimefuron, Dimethachlor, Dimethenamid, Dimethoate, Dimethomorph, Dimoxystrobin, Diniconazole(E+Z), Dinitramine, Dinobuton, Dinoseb, Dinoterb, Diphenamid, Diphenylamine, Dipropetryn, Disulfoton, Disulfoton-sulfone, Disulfoton-sulfoxide, Dithianon, Diuron, DMA, DMF, DMPF, DMSA, DMST, DNOC, Dodemorph, Dodine, Edifenphos, Emamectin B1a, EPN, Epoxiconazole, EPTC, Etaconazole, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Etofenprox, Etoxazole, Etridiazole, Etrimfos, Famoxadone, Famphur, Fenamidone, Fenamiphos, Fenamiphos-sulfone, Fenamiphos-sulfoxide, Fenarimol, Fenazaquin, Fenbuconazole, Fenhexamid, Fenhexamid, Fenobucarb, Fenoxaprop, Fenoxaprop-p-ethyl, Fenoxycarb, Fenpiclonil, Fenpropidin, Fenpropimorph, Fenpyrazamine, Fenpyroximate, Fenson, Fensulfothion, Fensulfothion-oxon, Fensulfothion-oxon-sulfone, Fenthion, Fenthionoxon sulfoxide, Fenthion-oxon, Fenthion-oxon-Sulfone, Fenthion-sulfone, Fenthion-sulfoxide, Fenuron, Fipronil, Fipronil, Fipronil-desulfinyl, Fipronil-sulfone, Flonicamid, Fluazifop, Fluazifop-butyl, Flubendiamide, Fludioxonil, Fludioxonil, Flufenacet, Flufenoxuron, Flufenoxuron, Flumioxazin, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen-ethyl, Fluoxastrobin, Flupyradifurone, Fluquinconazole, Flurochloridone, Fluroxypyr-meptyl, Flurprimidol, Flurtamone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Fluxapyroxad, Fomesafen, Fonofos (Dyfonate), Forchlorfenuron, Formetanate,	In house method (OE-7.0-210), based on ELOT EN 15662 and SANTE/11312/2021 LC-TOF-MS

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Gibberellic acid, Halfenprox, Halofenozide, Halosulfuron-methyl, Haloxyfop, Haloxyfop ethoxy ethyl ester, Haloxyfop-methyl, Hexaconazole, Hexaflumuron, Hexazinone, Hexythiazox, Icaridin (Picaridin), Imazalil, Imazamethabenz-Methyl, Imazamox, Imazapic, Imibenconazole, Imidacloprid, Indoxacarb, Iodosulfuron-methyl-sodium, Ioxynil, Ipconazole, Iprobenfos, Iprodione, Iprovalicarb, Isazophos, Isofenphos, Isofenphos-methyl, Isofetamid, Isoprocarb, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxaflutole, Isoxathion, Karanjin, Kresoxim-methyl, Lenacil, Linuron, Lufenuron, Malaoxon, Malathion, Mandipropamid, MCPA, MCPB, Mecarbam, Mecoprop, Mefenacet, Mefenpyr-diethyl, Mepanipyrim, Mephosfolan, Mepronil, Metaflumizone, Metalaxyl-M, Metamitron, Metazachlor, Metconazole, Methacrifos, Methamidophos, Methidathion, Methiocarb, Methiocarb Sulfone, Methiocarb Sulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metolachlor, Metosulam, Metoxuron, Metrafenone, Mevinphos (Phosdrin), Molinate, Monocrotophos, Monolinuron, Monuron, Myclobutanil, Napropamide, Neburon, Nicosulfuron, Nitenpyram, Nitralin, Norflurazon, Novaluron, Noviflumuron, N-Phenylurea, Nuarimol, Ofurace, Omethoate, Oryzalin, Oxadiargyl, Oxadiazon, Oxadixyl, Oxamyl, Oxathiapiprolin, Oxycarboxin, Oxydemeton Methyl (Demeton-S-methylsulfoxide), Paclobutrazol, Paraoxon-Ethyl, Paraoxon-Methyl, Parathion, Pebulate, Penconazole, Pencycuron, Pendimethalin, Penoxsulam, Penthiopyrad, Pethoxamid, Phenmedipham, Phenthoate, Phorate, Phosalone, Phosmet, Phosmetoxon, Phosphamidon, Phoxim, Picolinafen, Picoxystrobin, Pinoxaden, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimiphos Ethyl, Pirimiphos Methyl, Pirimiphos-methyl-N-desethyl, Prochloraz, Profenophos, Profoxydim, Promecarb, Prometryne, Propachlor, Propamocarb, Propanil, Propaquizafop, Propargite, Propazine, Propetamphos, Propham, Propiconazole, Propoxur, Propoxycarbazone, Propyzamide, Proquinazid, Prosulfocarb, Prosulfuron, Prothioconazole-desthio, Pyraclostrobin, Pyraflufen-ethyl, Pyrasulfotole, Pyrazophos, Pyridaben, Pyridalyl, Pyridaphenthion, Pyrifenox, Pyrimethanil, Pyrimidifen, Pyriproxyfen, Quinalphos, Quinoxyfen, Quizalofop, Quizalofop Ethyl, Rotenone, Sethoxydim, Siduron, Silthiofam, Simazine, Simeconazole, Spinetoram, Spinosad, Spirodiclofen, Spiromesifen, Spirotetramat Metabolite BYI08330-Mono-Hydroxy, Spirotetramat, Spiroxamine, Sulfentrazone, Sulfosulfuron, Sulfotep, Sulfoxaflor, Sulprofos, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebufenozide, Tebuthiuron, Teflubenzuron, Temephos, Tepraloxydim, Terbacil, Terbufos, Terbufos sulfone, Terbufoss sulfoxide, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetraethylpyrophosphate, Tetramethrin, Thiabendazole, Thiacloprid, Thiamethoxam, Thidiazuron, Thifensulfuron-methyl, Thiobencarb, Thiodicarb, Thiofanox, Thiofanox sulfone, Thiometon sulfone, Thiometon sulfoxide, Thiophanate methyl, Tiocarbazil, Tolclofos Methyl, Topramezone, Tralkoxydim, Triadimefon, Triasulfuron, Triazophos, Trichlorfon, Triclopyr, Tricyclazole, Tridemorph, Trifloxystrobin, Triflumizole, Triflumuron, Triflusulfuron-methyl, Triticonazole, Uniconazole, Valifenalate, Vamidothion, Vamidothion sulfone, Vamidothion sulfoxide, Vinclozolin, Warfarin, Zoxamide.	
11. Special categories (spices, herbs, tea, coffee, cocoa) 11. Special categories (spices, herbs, tea, coffee, cocoa) (continued)	1. Determination of 208 pesticide residues: Acetochlor, Aclonifen, Acrinathrin, Ametryn, Atrazine, Azaconazole, Azinphos Ethyl, Azoxystrobin, Benalaxyl, Benfluralin, Bifenox, Bifenthrin, Biphenyl, Bitertanol 1&2, Boscalid, Bromophos Ethyl, Bromophos Methyl, Bromopropylate, Bromuconazole 1, Bromuconazole 2, Buprofezin, Butafenacil, Cadusafos, Carbofuran, Chlorbufam, Chlordane alpha (cis), Chlordane gamma (trans), Chlorfenapyr, Chlorfenson, Chlorfenviphos 1, Chlorfenviphos 2, Chlorobenzilate, Chloropropylate, Chlorothalonil, Chlorpropham, Chlorpyriphos Ethyl, Chlorpyriphos Methyl, Chlorthal dimethyl/DCPA, Chlorthion Methyl, Chlorthiophos, Chlozolinate, Climbazole, Clodinafop-propargyl, Cloquintocet mexyl, Coumaphos, Cyanazine, Cyanofenphos, Cycloate, Cyflufenamide, Cyfluthrin (Mix of Isomers), Cyhalothrin lambda, Cypermehrin (Mix of Isomers), Cyproconazol 1&2, Cyprodinil, Desmetryn, Diallate-trans, Diazinon, Dichlofenthion, Dichlorvos, Diclobutrazol, Dicofol 1,2, Dieldrin, Dimethenamid, Dinitramine, Dioxathion, Diphenamid, Dipropetryn, Dyfonate (Fonophos), Endosulfan alpha, Endosulfan beta, Endosulfan lactone, Endosulfansulfate, Endrin, Epoxiconazole 1&2, Esfenvalerate, Etaconazol 1&2, Ethalfluralin, Ethion, Etridiazol, Etrimfos, Fenamiphos, Fenarimol, Fenbuconazol, Fenchlorphos, Fenitrothion, Fenoxycarb, Fenproparthrin, Fenpropimorph, Fenson, Fensulfothion, Fenthion, Fenvalerate 1, Fenvalerate 2, Fipronil, Fluazifop-P-butyl, Fluchloralin, Flucythrinate 1, Flucythrinate 2, Fludioxonil, Flufenoxuron, Flumetralin, Fluopicolide, Fluotrimazole, Fluquinconazole, Flusilazole, Flutriafol, Fluvalinate-tau 1&2, Formothion, Furalaxyl, Haloxyfop-etotyl, HCH alpha, HCH beta, HCH delta, HCH gamma, Heptachlor Epoxide A, Heptachlor Epoxide B, Heptenophos, Hexaconazole, Hexazinone, Indoxacarb, Iodofenphos, Iprobenphos, Isazophos (Miral), Isocarbophos, Isofenphos, Isofenphos Methyl, Isoprocarb, Isopropalin, Isoprothiolane, Isoxathion, Kresoxim-methyl, Malathion, Mecarbam, Mepronil, Metalaxyl, Metazachlor, Methacrifos, Methoprotryne, Methoxychlor 2, Metolachlor, Metribuzin, Mevinphos/Phosdrin, Myclobutanil, Naled, Napropamide, Nitrapyrin, Nitrofen, Nitrothal isopropyl, Nuarimol, o-phenylphenol, Oxadiazon, Oxadixyl, Oxyfluorfen, Paclobutrazol, Paraoxon Ethyl, Parathion Ethyl, Penconazole, Pendimethalin, Perthan, Phenthoate, Phosalone, Picoxystrobin, Piperonyl butoxide (PBO), Pirimiphos Ethyl, Pirimiphos Methyl, Prochloraz, Procymidone, Profenofos, Prometryn, Propachlor, Propazine, Propetamphos, Propham, Propisochlor, Propyzamide, Prosulfocarb, Prothiofos, Pyraflufen Ethyl, Pyrazophos, Pyridaben, Pyridalyl, Pyrimethanil, Quinalphos, S421, Simeconazole, Spiromesifen, Spirotetramat, Tebuconazole, Tebufenpyrad, Tefluthrin, Terbacil, Terbufos, Terbumeton, Terbuthylazine, Terbutryn, Tetraconazole, Thiobencarb, Tolclofos Methyl, Transfluthrin, Triadimefon, Triadimenol 1&2, Triallate, Triazophos, Trifloxystrobin, Trifluralin,	In house method (OE-7.0-56) with GC-MS/MS, based on ELOT EN 15662 and SANTE/11312/2021

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	Triticonazole, Uniconazole, Vinclozolin.	
	2. Determination of 222 pesticide residues: 2,3,5-Trimethacarb/3,4,5-Trimethacarb, Acephate, Acetamiprid, Alaclor, Ametryn, Atrazine, Azaconazole, Azamethiphos, Azinphos Ethyl, Azinphos Methyl, Azoxystrobin, Benalaxyl, Boscalid, Bromacil, Bromuconazole 1&2, Bupirimate, Cadusafos, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carpropamid, Chlorantraniliprole, Chlorfenvinphos 1&2, Chloridazon, Chlorpropham, Chlorpyriphos Ethyl, Chlortoluron, Chromafenozide, Clodinafop-propargyl, Clomazone, Clothianidin, Crimidine, Cyanazine, Cyanofenphos, Cycloate, Cyflufenamid, Cymiazole, Cyproconazol 1&2, Cyprodinil, DEET, Deltamethrin, Desmethyl-formamido-pirimicarb, Desmetryn, Diazinon, Diclobutrazol, Dicrotophos, Diethofencarb, Difenoconazol 1&2, Dimethenamid, Dimethoate, Dimethomorph 1&2, Dimoxystrobin, Diniconazol, Diphenamid, Dipropetryn, Diuron, DMST, Dodemorph, Epoxiconazol, Etaconazole, Ethion, Ethiprole, Ethofumesate, Ethoprophos, Etrimfos, Fenamidone, Fenamiphos, Fenamiphos sulfone, Fenarimol, Fenbuconazole, Fenitrothion, Fenobucarb, Fenoxycarb, Fenpropimorph, Fensulfothion, Fenthion oxon, Fenthion sulfoxide, Fipronil, Fluazifop butyl, Flubendiamide, Fludioxonil, Flufenacet, Flufenoxuron,Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen Ethyl, Fluoxastrobin, FluroxypyrMeptyl, Flurtamone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Formetanate, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Halofenozide, Haloxyfop-2-ethoxyethyl, Haloxyfop-methyl, Heptenophos, Hexaconazole, Hexazinone, Imazalil, Imazamethabenz Methyl, Imidachloprid, Indoxacarb, Iprobenphos, Iprovalicarb 1&2, Isazofos, Isofenphos, Isofenphos Methyl, Isoprocarb, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxathion, Kresoxim Methyl, Lenacil, Malaoxon, Mandipropamid, Mefenacet, Mefenpyr Diethyl , Mephospholan, Mepronil, Metalaxyl M, Metamitron, Metazachlor, Metconazole, Methidathion, Methiocarb sulfoxide, Methomyl, Methoprotryne, Methoxyfenozide, Metobromuron, Metoxuron, Metrafenone, Metribuzin, Monuron, Myclobutanil, Napropamide, Nitrothal isopropyl, Norflurazon, Ofurace, Omethoate, Oxadiargyl, Oxadiazon , Oxadixyl, Oxamyl, Paclobutrazol, Paraoxon Ethyl, Penconazole, Pendimethalin, Pethoxamid, Phenthoate, Phorate-Sulfoxide, Phosdrin (Mevinphos), Phosmet, Phosphamidon, Phoxim, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimiphos Ethyl, Pirimiphos Methyl, Pirimiphos-Methyl-N-Desmethyl, Prochloraz, Profenofos, Promecarb, Prometryn, Propachlor, Propamocarb, Propanil, Propargite, Propazine, Propiconazole, Propoxur, Propyzamide, Prosulfocarb, Prothioconazole-desthio, Pyraclostrobin, Pyraflufen Ethyl, Pyridaphenthion, Pyrimethanil, Quinalphos, Rotenone, Silthiofam, Simazine, Simeconazole, Sulfotep, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Terbufos sulfone, Terbufos sulfoxide , Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetramethrin, Thiachloprid, Thiamethoxam, Thiodicarb, Thiometon sulfone, Thiometon sulfoxide, Triadimefon, Triazophos, Trifloxystrobin, Triflumizole, Triticonazole, Valifenalate, Vamidothion, Vamidothion sulfone, Vamidothion sulfoxide, Zoxamide.	In house method (OE-7.0-56) with LC-MS/MS, based on ELOT EN 15662 and SANTE/11312/2021
12. Animal Feed Products with a. high water content b. high or intermediate fat content c. high content in starch and protein d. Meat and fish e. Milk and mlik products Annex A, Feed, SANTE/11213/2021	1. Determination of 201 pesticide residues: 2,3,5-Trimethacarb/3,4,5-Trimethacarb, Acetamiprid, Ametryn, Aminocarb, Atrazine, Atrazine-desethyl, Azaconazole, Azamethiphos, Azoxystrobin, Benalaxyl, Benthiavalicarb-isopropyl, Bixafen, Bromacil, Bupirimate, Buprofezin, Buturon, Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-keto, Chlorantraniliprole, Chlorbromuron, Chlorfenvinphos 1&2, Chlorfluazuron, Chloroxuron, Chlorpyriphos Ethyl, Chromafenozide, Clomazone, Cloquintocet-mexyl, Coumaphos, Crimidine, Cyanofenphos, Cyflufenamid, Cyprodinil, DEET, Deltamethrin, Demeton-S-methyl sulfone, Desmethyl-formamido-pirimicarb, Desmethyl-pirimicarb, Desmetryn, Diazinon, Dicrotophos, Difenoconazol 1&2, Diflufenican, Dimethachlor, Dimethenamid, Dimethoate, Diphenamid, Dipropetryn, Disulfoton Sulfone, Disulfoton sulfoxide, DMA, DMF, DMST, Dodemorph, Emamectin B1a, Epoxiconazol, Ethiofencarb, Ethiofencarb sulfoxide, Ethion, Ethiprole, Ethoprophos, Etoxazole, Etrimfos, Fenamidone, Fenamiphos, Fenamiphos sulfone, Fenamiphos-Sulfoxide, Fenazaquin, Fenbuconazole, Fenchlorazol-ethyl, Fenitrothion, Fenobucarb, Fenoxycarb, Fenpropimorph, Fenpyroximate, Fenthion oxon, Fenthion sulfoxide, Fluazifop butyl, Fluometuron, Fluopicolide, Fluopyram, Fluoxastrobin, Flupyradifurone, Fluroxypyr Meptyl, Flurtamone, Flusilazole, Fluthiacet-methyl, Flutolanil, Flutriafol, Fluxapyroxad, Fosthiazate, Fuberidazole, Furalaxyl, Furathiocarb, Heptenophos, Hexaconazole, Hexazinone, Hexythiazox, Imazalil, Imazamethabenz Methyl, Imidachloprid, Indoxacarb, Iprobenphos, Isazofos, Isofenphos Methyl, Isoprocarb, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxathion, Lenacil, Malaoxon, Mepanipyrim, Mephospholan, Mepronil, Metalaxyl M, Metamitron, Metazachlor, Metconazole, Methabenzthiazuron, Methidathion, Methiocarb, Methiocarb Sulfone, Methiocarb sulfoxide, Methoprotryne, Metobromuron, Metoxuron, Metrafenone, Metribuzin, Monolinuron, Monuron, Napropamide, Norflurazon, Ofurace, Omethoate, Oxadixyl, Oxycarboxin, Penconazole, Pethoxamid, Phorate-Sulfoxide, Phosalone, Phosdrin (Mevinphos), Phosmet, Phosmet-Oxon, Picolinafen, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimiphos Ethyl, Pirimiphos Methyl, Pirimiphos-Methyl-N-Desmethyl, Profenofos, Prometryn, Propachlor, Propamocarb, Propazine, Propiconazole, Propoxur, Proquinazid, Prosulfocarb, Pyraclostrobin, Pyrazophos, Pyridaben, Pyridaphenthion, Pyrimethanil, Pyriproxyfen, Quinalphos, Quinoxyfen, Siduron, Simazine, Spinetoram J, Spinetoram L, Spinosyn A, Spinosyn D, Spirodiclofen, Sulfotep, Tebufenpyrad, Tebuthiuron, Temephos, Terbufos sulfoxide (NH4+), Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Thiachloprid, Thiobencarb, Thiometon sulfone, Tiocarbazil, Triazophos, Tricyclazole, Trifloxystrobin, Triflumizole, Valifenalate, Zoxamide.	In house method (OE-7.0-188) based on ELOT EN 15662 and SANTE/11213/2021 with LC-MS/MS

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
13. Animal Feed f. Special substrates (e.g., Straw, Hay, Premixes)	1. Determination of 239 pesticide residues: 2,3,5-Trimethacarb/3,4,5-Trimethacarb, Acephate, Acetamiprid, Ametoctradin, Ametryn, Aminocarb, Atrazine, Atrazine-desethyl, Azaconazole, Azamethiphos, Azimsulfuron, Azoxystrobin, Benalaxyl, Benthiavalicarb-isopropyl, Boscalid, Bromacil, Bupirimate, Buprofezin, Butafenacil , Buturon, Cadusafos, Carbaryl, Carbendazim, Carbetamide, Carbofuran, Carboxin, Carpropamid, Chlorbromuron, Chlorfenvinphos 1&2, Chloridazon, Chromafenozide, Climbazol, Clodinafop-propargyl, Clomazone, Cloquintocet-mexyl, Cloransulam Methyl, Coumaphos, Cyanofenphos, Cyflufenamid, Cymiazole, Cyprodinil, DEET, Deltamethrin, Demeton-S-methyl sulfone, Desmethyl-formamido-pirimicarb, Desmethyl-pirimicarb, Desmetryn, Diazinon, Diclobutrazol, Difenoconazol 1&2, Dimehylaminosulfanilid (DMSA), Dimethachlor, Dimethenamid, Dimethoate, Diniconazol, Diphenamid, Dipropetryn, Disulfoton Sulfone, Disulfoton sulfoxide, DMA, DMF, DMST, Epoxiconazol, Etaconazole, Ethiofencarb sulfoxide, Ethion, Ethiprole, Ethirimol, Ethofumesate, Ethoprophos, Etonfenprox, Etrimfos, Fenamidone, Fenamiphos, Fenamiphos sulfone, Fenamiphos-Sulfoxide, Fenarimol, Fenbuconazole, Fenchlorazol-ethyl, Fenitrothion, Fenobucarb, Fenpropimorph, Fensulfothion, Fenthion oxon, Fenthion sulfoxide, Fluazifop butyl, Flufenacet, Flufenoxuron, Fluometuron, Fluopicolide, Fluopyram, Flupyradifurone, Fluroxypyr Meptyl, Flurprimidol, Flurtamone, Flusilazole, Fluthiacet-methyl, Flutolanil, Fluxapyroxad, Formetanate, Fosthiazate, Furalaxyl, Furathiocarb, Halosulfuron Methyl, Haloxyfop-methyl, Heptenophos, Hexazinone, Imazalil, Imazamethabenz Methyl, Imazosulfuron, Imidachloprid, Indoxacarb, Isazofos, Isofenphos Methyl, Isoprocarb, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxathion, Lenacil, Linuron, Malaoxon, Mandipropamid, Mephospholan, Mepronil, Metalaxyl M, Metazachlor, Metconazole, Methabenzthiazuron, Methidathion, Methiocarb, Methiocarb Sulfone, Methoprotryne, Methoxyfenozide, Metobromuron, Metoxuron, Metrafenone, Monolinuron, Monuron, Naled , Napropamide, Nitrothal isopropyl, Norflurazon, Nuarimol, Ofurace, Omethoate, Oxamyl, Oxasulfuron, Oxycarboxin, Paraoxon Ethyl, Penconazole, Pencycuron, Penoxsulam, Pethoxamid, Phosalone, Phosdrin (Mevinphos), Phosmet, Phosmet-Oxon, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimiphos Ethyl, Pirimiphos Methyl, Pirimiphos-Methyl-N-Desmethyl, Prochloraz, Profenofos, Promecarb, Prometryn, Propachlor, Propargite, Propazine, Propoxur, Prosulfocarb, Pyraclostrobin, Pyraflufen Ethyl, Pyridaben, Pyridaphenthion, Pyrimethanil, Pyriproxyfen, Quinalphos, Quizalofop Ethyl, Rotenone, Saflufenacil, Sethoxydim, Silthiofam, Simeconazole, Spirodiclofen, Spiroxamine, Sulfosulfuron, Sulfotep, Sulfoxaflor, Tebufenpyrad, Tebuthiuron, Terbufos sulfone, Terbufos sulfoxide , Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetraethylpyrophosphate, Thiabendazole, Thiachloprid, Thiamethoxam, Thidiazuron, Thiobencarb, Tiocarbazil, Tralkoxydim, Triadimefon, Triazophos, Tribenuron Methyl, Tricyclazole, Trifloxystrobin, Triflumizole, Triflusulfuron-methyl, Tritosulfuron, Valifenalate, Vamidothion, Vamidothion sulfone, Vamidothion sulfoxide, Warfarin, Zoxamide.	In house method (OE-7.0-188) based on ELOT EN 15662 and SANTE/11312/2021 with LC-MS/MS
14. Nuts and oil seeds	Determination of 2-chloroethanol	In-house method (OE-7.0-248) based on ELOT EN 15662 and EURL ver 1.1 Dec 2020, GC-MS/MS
15. Animal Feed / high content in starch and protein (Fish meal)	Ethoxyquin	In house method (OE-7.0-188_4.0) based on ELOT EN 15662 and on SANTE/11312/2021 with LC-MS/MS
16. Tobacco	Determination of 251 pesticide residues: 2,3,5-Trimethacarb/3,4,5-Trimethacarb, Acephate, Acetamiprid, Aldicarb Sulfone, Ametryn, Aminocarb, Atrazine, Atrazine-desethyl, Azaconazole, Azamethiphos, Azoxystrobin, Benalaxyl, Benthiavalicarb-isopropyl, Bixafen, Boscalid, Bromacil, Bromuconazole (sum of isomers), Bupirimate, Buprofezin, Butafenacil, Butralin, Buturon, Butylate, Cadusafos, Carbaryl, Carbendazim, Carbofuran, Carbofuran-3-keto, Carfentrazone Ethyl, Carpropamid, Chlorantraniliprole, Chlorbromuron, Chlorfenvinphos (sum of isomers), Chloridazon, Chloroxuron, Chlorpyriphos Ethyl, Chlortoluron, Chromafenozide, Clodinafop-propargyl, Clomazone, Clothianidin, Crimidine, Cyanazine, Cyanofenphos, Cyazofamid, Cycloate, Cyflufenamid, Cymiazole, Cyproconazol (sum of isomers), DEET, Deltamethrin, Demeton-S-methyl sulfone, Desmethyl-formamido-pirimicarb, Desmethyl-pirimicarb, Desmetryn, Diazinon, Dichlorfenthion, Diclobutrazol, Dicrotophos, Diethofencarb, Difenoconazol (sum of isomers), Dimehylaminosulfanilid (DMSA), Dimethachlor, Dimethenamid, Dimethoate, Dimethomorph (sum of isomers), Dimoxystrobin, Diniconazol, Diphenamid, Dipropetryn, Disulfoton Sulfone, Disulfoton sulfoxide, DMST, Dodemorph, Epoxiconazol, Etaconazole, Ethiofencarb sulfoxide, Ethion, Ethiprole, Ethofumesate, Ethoprophos, Etoxazole, Etrimfos, Fenamidone, Fenamiphos, Fenamiphos sulfone, Fenarimol, Fenbuconazole, Fenchlorazol-ethyl, Fenitrothion, Fenobucarb, Fenoxycarb, Fenpropimorph, Fensulfothion, Fenthion oxon, Fenthion sulfoxide, Fluazifop butyl, Flufenacet, Flufenoxuron, Fluometuron, Fluopicolide, Fluopyram, Fluoroglycofen Ethyl, Fluoxastrobin, Fluquinconazole, Flurochloridone, FluroxypyrMeptyl, Flurprimidol, Flurtamone, Flusilazole, Flutolanil, Flutriafol, Fluxapyroxad, Formetanate, Fosthiazate, Furalaxyl, Furathiocarb, Haloxyfop-2-ethoxyethyl, Haloxyfop-methyl, Heptenophos, Hexaconazole, Hexazinone, Imazalil, Imazamethabenz Methyl, Imidachloprid, Indoxacarb, Iprobenphos, Isazofos, Isofenphos, Isofenphos Methyl, Isoprocarb, Isoprothiolane, Isoproturon, Isopyrazam, Isoxaben, Isoxadifen-ethyl, Isoxathion, Kresoxim Methyl, Lenacil, Linuron, Malaoxon, Mandipropamid, Mecarbam, Mefenacet,	In house method (OE-7.0-166) with LC-MS/MS, based on ELOT EN 15662 and SANTE/11312/2021, CORESTA Guide N°5 (2018) &N°1 (2016)

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	Mephospholan, Mepronil, Metalaxyl M, Metamitron, Metazachlor, Metconazole, Methacrifos, Methidathion, Methiocarb, Methiocarb sulfoxide, Methoprotryne, Methoxyfenozide, Metobromuron, Metoxuron, Metrafenone, Metribuzin, Molinate, Monocrotophos, Monolinuron, Monuron, Myclobutanil, Napropamide, Neburon, Nitenpyram, Nitrothal isopropyl, Norflurazon, Nuarimol, Ofurace, Omethoate, Oxadiargyl, Oxadixyl, Oxamyl, Oxydemeton Methyl, Paclobutrazol, Paraoxon Ethyl, Pebulate, Penconazole, Pencycuron, Pendimethalin, Pethoxamid, Phorate-Sulfoxide, Phosalone, Phosdrin (Mevinphos), Phosmet, Phosphamidon, Phoxim, Picoxystrobin, Piperonyl butoxide, Pirimicarb, Pirimicarb-desmethyl, Pirimiphos Methyl, Pirimiphos-Methyl-N-Desmethyl, Profenofos, Promecarb, Prometryn, Propachlor, Propargite, Propazine, Propiconazole, Propoxur, Propyzamide, Prosulfocarb, Prothioconazole-desthio, Pyraflufen Ethyl, Pyridaben, Pyridaphenthion, Pyrimethanil, Quinalphos, Rotenone, Siduron, Silthiofam, Simazine, Simeconazole, Spirodiclofen, Spiromesifen, Spirotetramat, Spirotetramat Metabolite keto hydroxy, Spirotetramat Metabolite Mono Hydroxy, Sulfotep, Sulfoxaflor, Tebuconazole, Tebufenozide, Tebufenpyrad, Tebuthiuron, Terbumeton, Terbuthylazine, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetramethrin, Thiachloprid, Thiamethoxam, Thiobencarb, Thiodicarb, Thiometon sulfone, Thiometon sulfoxide, Tiocarbazil, Tolylfluanid, Triazophos, Tricyclazole, Trifloxystrobin, Triflumizole, Triticonazole, Valifenalate, Vamidothion, Vamidothion sulfone, Zoxamide	
17. Industrial hemp	Determination of 49 pesticide residues: Acephate, Acetamiprid, Aldicarb, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorpyrifos, Cypermethrin, Diazinon, Dichlorvos, Dimethoate, Ethoprophos, Etoxazole, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidachloprid, Kresoxim methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Myclobutanil, Naled, Oxamyl, Paclobutrazol, Parathion methyl, Phosmet, Piperonyl butoxide, Propoxur, Pyrethrin I, Pyrethrin II, Pyridaben, Spinosyn A&D, Spirotetramat, Spiroxamine, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin.	In house method (OE-7.0-165) with LC-MS/MS based on: 1. ΕΛΟΤ EN 15662 2. SANTE/11312/2021 and 3. EUROPEAN PHARMACOPOEIA 7.0, 2.8.13, Pesticides Residues07/2008:20813 4. Quantitation of Oregon List Pesticides and Cannabinoids in Cannabis Matrices by LC-MS/MS
18. Baby foods, rice, and rice products, non-alcoholic drinks and fruit juices, as described at Regulation EC 2023/915	Determination of inorganic arsenic	In house method (OE-7.0-125) with HPLC/ICP-MS, according to method specification requirements of Regulation 333/2007/EC and Regulation EC 2023/915
19. Food and animal feeding stuffs	1. Determination of water activity (a_w)	In house method (OE-7.0-138) based on ISO 21807:2004 and ISO 18787:2017.
	2. Determination of pH	In house method (OE-7.0-173) based on ISO 2917:1999, ISO 1842:1991 and on AOAC 945.42, 943.02, 981.02, 970.21, 19th Ed.
	3. Determination of elements (flexible scope) The elements are specified in detail in the List of Accredited Activities Flexible Field of the Laboratory (Document E-5.2, according to ESYD/G-FYTOPROST 2016, Link: LIST OF TESTS ACCREDITED IN FLEXIBLE SCOPE)	In house method (OE-7.0-93) based on BS EN 15763:2009, on ELOT EN 13804:2013 and on ISO 17851:2023 with ICP-MS and in accordance with the performance criteria of EC 333/2007 and EC 2023/915.
	The flexibility that applies covers the following categories Flexibility in relation to • adding new elements to existing matrices • the integration of new matrices in existing methods • the extension of methods to a new subcategory of matrices • the extension/modification of existing methods (technique, scope of determination,	

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	quantification limit) Accredited Methods are described in detail on the Laboratory's site.	
20. Olives oils and vegetable oils	1. Determination of acidity	COI/T.20/Doc.34 (OE-7.0-111)
	2. Determination of peroxide value	COI/T.20/Doc.35 (OE-7.0-112)
21. Olive oils	Determination of the extinction coefficient K (at 268 nm and 232 nm) and the parameter ΔK	COI/T.20/Doc.19 (OE-7.0-113)
22. Fruits and Vegetables (except fresh grapes, peeled, frozen, dried, fruit and vegetables in vinegar, brine or oil, canned), Jam, Jelly, Meat, Bakery Foods, Flour, Cereals, Pastry, mollusks and Crustaceans, soft drinks and fruit juices	Determination of Sulphur dioxide and Sulfites content	In house method (OE-7.0-114) based on method D2 of Greek Food Code Part B' by titrimetry
23. Meats, Dairy Products, Fruits, and Vegetables	Determination of nitrite and nitrate content	In house method (OE -7.0-116) based on ISO 2918:1975, ISO 3091:1975, ISO 6635:1984 and ISO 14673:2004.
24. Bread and bread products, bakery, and cereal products, french fries and potatoes products, coffee, and coffee substitudes	Determination of Acrylamide	In house method (OE-7.0-137) with LC-MS/MS, based on EN 16618:2015
25. Soil	1. Determination of Li, Be, Na, Mg, P, K, Ca, Cr, Co, Ni, Cu, Zn, As, Se, Mo, Ag, Cd, Sn, Hg, Tl, Pb and U	In house method (OE-7.0-93) with ICP-MS, based on ISO/TS 16965:2013
	2. Determination of Hydrocarbons and Mineral oils (hydrocarbon oil index)	In house method (OE-7.0-131) with GC-FID, based on ISO 16703:2004
	3. Determination of Total Nitrogen	In house method (OE-7.0-227), based on ISO 13878:1998
	4. Determination of Total Organic Carbon (TOC)	In house method (OE-7.0-228), based on ISO 10694:1995
26. Sludge and Sediments	1. Determination of Li, Be, B, Na, Mg, P, K, Ca, V, Cr, Mn, Co, Ni, Cu, Zn, As, Se, Sr, Mo, Ag, Cd, Sn, Sb, Ba, Hg, Tl, Pb and U	In house method (OE-7.0-93) with ICP-MS, based on ISO/TS 16965:2013
	2. Determination of Total Solids, non-Volatile and Volatile Solids	In house method (OE-7.0-98) based on APHA 2540 G, 24th Edition
	3. Determination of pH in Sludges	ISO 10523:2008
	4. Determination of Total Nitrogen	In house method (OE-7.0-227),

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
		based on ISO 13878:1998
	5. Determination of Total Organic Carbon (TOC)	In house method (OE-7.0-228), based on ISO 10694:1995
27. Granular waste materials, sludges, soils and soil-like materials	1. One stage leaching test at a liquid to solid ratio of: L/S=2 l/kg.	In house method (OE-7.0-160) based on: 1. ELOT EN 12457-01:2003 and 2. ISO 21268-1:2019 and according to Directive 2003/33/EC
	2. One stage leaching test at a liquid to solid ratio of: L/S=10 l/kg.	In house method (OE-7.0-160) based on: 1. ELOT EN 12457-01:2003 and 2. ISO 21268-1:2019 and according to Directive 2003/33/EC
	3. Two stage leaching test at a liquid to solid ratio of: L/S=2 l/kg και L/S=8 l/kg	In house method (OE-7.0-160) based on ELOT EN 12457-03: 2002
	4. Up-flow percolation test	In house method (OE-7.0-161) based on: 1. ΕΛΟΤΕΝ 14405:2017 και 2. ISO 21268-3:2019 and according to Directive 2003/33/EC
Sensory Tests		
Water for human consumption	Determination of the threshold odour number (*TON*) and threshold flavour number (*TFN*)	In house method (OE -7.0-105) based on ELOT EN 1622:2006
Biological Tests		
1. Water, hemodialysis fluid and ultra-pure hemodialysis fluid for hemodialysis and related therapies	Determination of Bacterial Endotoxin content (LAL test)	Charles River Endosafe® PTS portable Test System Protocol
2. Water and Wastewater	Determination of acute water toxicity by the mobility inhibition test of Daphnia magna	ISO 6341:2012
3. Samples from surfaces and water samples	Horizontal method for quantification of hepatitis A virus and norovirus using Real Time RT-qPCR	In house method based on ISO 15216-1:2019, with Real-Time qPCR using Azure Cielo 6 Real Time thermal cycler (Azure Biosystems Inc)
4. Samples from surfaces and water samples	Horizontal method for detection of hepatitis A virus and norovirus using Real Time RT-qPCR	In house method based on ISO 15216-2:2019, with Real-Time qPCR

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
		using Azure Cielo 6 Real Time thermal cycler (Azure Biosystems Inc)
5. Water, surface water and groundwater	Detection of Cryptosporidium spp and Giardia Lamblia, using Real Time RT-qPCR	In house method (OE 7.0-218) based on Guy, R. A., Payment, P., Krull, U. J., & Horgen, P. A. (2003): Real-time PCR for quantification of Giardia and Cryptosporidium in environmental water samples and sewage [Applied and Environmental Microbiology, 69(9), 5178-5185], with Real-Time qPCR using Azure Cielo 6 Real Time thermal cycler (Azure Biosystems Inc)
6. Wastewater	Detection of SARS-COV-2 RNA, using Real Time RT-qPCR	In house method (OE 7.0-209) based on the method described by IDEXX in Kit Water SARS-CoV-2 RT-qPCR Test, with Real-Time qPCR using Azure Cielo 6 Real Time thermal cycler (Azure Biosystems Inc)
7. Soya and soya products (seeds, food, feed, raw materials) 8. Corn and corn products (seeds, food, feed, raw materials)	Screening method for genetically modified organisms (GMOs), by the detection of CaMV 35S promoter and nopaline synthase terminator (NOS).	In house method (OE 7.0-211), based on: 1. ISO 21569:2005 2. Waiblinger, et al, Eur Food Res Technol (2008) 226:1221–1228 3. Laube et al, Food Chemistry (2010) 118: 979–986 using Real-Time PCR. DNA isolation with “MagCore® Genomic DNAPlant Kit” (MAGCORE)
9. Food and animal feeding stuffs	Detection of Staphylococcal Enterotoxins	ISO 19020:2017
10. Soya and soya products (seeds, food, feed, raw materials)	Quantification of CaMV 35S promoter and NOS terminator	In house method (OE-7.0-212) based on: 1. ISO 21570:2005 2. Hans-Ulrich Waiblinger, et al, Eur Food Res Technol (2008) 226:1221–1228 3. Quantitative PCR method for detection of soybean event GTS 40-3-2. EURL GMFF, JRC. (https://gmo-crl.jrc.ec.europa.eu/gmomethods/docs/QT-EVE-GM-005.pdf) using Real-Time PCR. DNA isolation with “MagCore® Genomic DNA Plant Kit” or “MagCore® Genomic DNA Tissue Kit” (MAGCORE).
11. Corn and corn products (seeds, food, feed, raw	Quantification of CaMV 35S promoter and NOS terminator	In house method (OE-7.0-214) based on: 1. ISO 21570:2005

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
materials)		2. Hans-Ulrich Waiblinger, et al, Eur Food Res Technol (2008) 226:1221–1228 3. Quantitative PCR method for detection of maize event MON87403 (EURL GMFF, 2018) (https://gmo-crl.jrc.ec.europa.eu/gmomethods/docs/QT-EVE-ZM-025.pdf) using Real-Time PCR. DNA isolation with "MagCore® Genomic DNA Plant Kit" or "MagCore® Genomic DNA Tissue Kit" (MAGCORE).
12. Soya and soya products (seeds, food, feed, raw materials)	Quantification of genetically modified Roundup Ready Soya (GTS 40-3-2)	In house method (OE-7.0-216) based on: 1. ISO 21570:2005 2. Quantitative PCR method for detection of soybean event GTS 40-3-2. EURL-GMFF, JRC (https://gmo-crl.jrc.ec.europa.eu/gmomethods/docs/QT-EVE-GM-005.pdf) using Real-Time PCR. DNA isolation with "MagCore® Genomic DNA Plant Kit" or "MagCore® Genomic DNA Tissue Kit" (MAGCORE).
13. Food	Detection of animal DNA	In house method (OE-7.0-240) based on: 1. ISO 23662-2021 Cottenet, G., & Blancpain, C. (2021). A real-time PCR method to assess the presence of vertebrate material in plant-based products _2
14. Food	Detection of porcine DNA	In house method (OE-7.0-239) based on: 1. ISO TS 20224-3-2020
15. All human food products (except Milk and Dairy), Cocoa powder, Cocoa butter, Chocolate, Milk and Dairy, Milk powders, Infant formula, Swab	Detection of Salmonella spp.	In house method (OE-7.0-246) based on: 1. BACGene Salmonella spp. (Gold Standard Diagnostics) 2. PREraser BACGene (Gold Standard Diagnostics)
16. Processed and unprocessed Food, Swab	Celery Detection (Apium graveolens)	In house method (OE-7.0-243) based on: DNAllergen Celery real-time PCR kit (Gold Standard Diagnostics)
17. Processed and unprocessed Food	Soy Detection (Glycine max)	In house method (OE-7.0-244) based on: DNAllergen Soy real-time PCR kit (Gold Standard Diagnostics)
18. Processed and unprocessed Food	Hazelnut Detection (Corylus avellana)	In house method (OE-7.0-245) based on: DNAllergen Hazelnut real-time PCR kit (Gold Standard Diagnostics)

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Immunochemical Tests		
1. Water, hemodialysis fluid and ultra-pure hemodialysis fluid for hemodialysis and related therapies	Determination of Bacterial Endotoxin content (LAL test)	European Pharmacopeia10nd Ed, chap. 2.6.14, BacterialEndotoxins, Photometric Quantitative Techniques, Method D.
2. Processed and unprocessed Food	Determination of gluten	In house method (OE-7.0-222) with Elisa Sandwich based on RidaScreen Gliadin (R7001) and according to AOAC 991.19-2001 and 2012.01-2012
Physical Tests		
1. Water for human consumption, surface water and groundwater	1. Determination of Tritium activity concentration (##)	ISO 9698: 2019 Range tSIE from 69 to 272
	2. Determination of gross alpha and beta activity concentration (##)	ISO 11704:2018
	3. Determination of Radon-222 (^{222}Rn) activity concentration (##)	ISO 13164-4:2023
2. Water and Wastewater	Temperature measurement	APHA 2550, 24th Ed.,
Microbiological Tests		
1. Water (water for human consumption, surface and groundwater, pool water, sea water) wastewater	1. Enumeration of culturable micro-organisms at 22±2°C and 36±2 °C	ISO 6222:1999
	2. Detection of *Salmonella* spp.	ISO 19250:2010
	3. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
	4. Detection and enumeration of *Cl. perfringens* (including spores)	ISO 14189:2013
	5. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	6. Detection and enumeration of fecal coliforms	APHA 9222D
	7. Detection of Shigella spp.	APHA 9260E
2. Water for human consumption	Detection of *Campylobacter* spp.	ISO 17995:2005
3. Water (water for human consumption, surface and groundwater, pool water, sea water)	Detection and enumeration of total coliforms and *E. coli*	ISO 9308-1:2014/Amd 1:2016
4. Water and environmental samples (sludge, precipitates etc)	1. Enumeration of *Legionella*	ISO 11731:2017
5. Legionella isolates from water and environmental	1. Serological indetification of *Legionella spp:*	Legionella Latex Test – OXOID DR0800M

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
samples	*L. pneumophilaserogroup 1*, *L. pneumophila serogroups 2-14*	
6. Water (surface and groundwater), wastewater	1. Detection and enumeration of total coliforms	APHA 9222 B
	2. Detection and enumeration of *E. coli*	APHA 9222 H
7. Treated wastewater from treatment plant	Enumeration of *E. coli* and coliform bacteria	ISO 9308-1:2014
8. Water for haemodialysis and related therapies	Enumeration of total aerobic microorganisms at 20 °C	ISO 23500-3:2019
9. Dialysis fluid for haemodialysis and related therapies	Enumeration of total aerobic microorganisms at 20 °C	ISO 23500-5:2019
10. Water (water for human consumption, surface and groundwater, pool water, recreational water)	Enumeration of *S. aureus*	APHA 9213 B
11. Food and animal feeding stuffs	1. Enumeration of the total aerobic micro-organisms at 30 °C	ISO 4833-1:2013
	2. Horizontal method for the enumeration of coliforms	ISO 4832:2006
	3. Enumeration of β-glucuronidase-positive *Escherichia coli*	ISO 16649-2:2001
	4. Enumeration of coagulase – positive staphylococci (*Staphylococcus aureus* and other species)	ISO 6888-2:1999/Amd 1:2021
	5. Enumeration of sulfite-reducing Clostridium spp. (except for spores) ###	ISO 15213-1:2023
	6. Enumeration of *Cl. Perfringens* (except for spores)	ISO 15213-2:2023
	7. Detection of non-typhi and non-paratyphi *Salmonella* spp.	ISO 6579-1:2017
	8. Detection of *Listeria spp.* and *Listeria monocytogenes*	ISO 11290-1:2017
	9. Enumeration of *Listeria spp.* and *Listeria monocytogenes*	ISO 11290-2:2017
	10. Enumeration of *Enterobacteriaceae*	ISO 21528-2:2017
	11. Enumeration of presumptive *Bacillus cereus* -- Colony-count technique at 30°C	ISO 7932:2004
	12. Detection of*Campylobacter* spp.	ISO 10272-1:2017
	13. Enumeration of *Campylobacter* spp.	ISO 10272-2:2017
	14. Detection of *Vibrio parahaemolyticus*	ISO 21872-1:2007
	15. Enumeration of mesophilic lactic acid bacteria -- Colony-count technique at 30°C	ISO 15214:1998
	16. Enumeration of β-glucuronidase-positive *Escherichia coli* (MPN Method) in bivalve molluscs	ISO 16649-3:2015
	17. Horizontal method for the detection of *Escherichia coli* O157	ISO 16654:2001

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	18. Detection of *Cronobacter* spp.	ISO 22964:2017
	19. Enumeration of *Brochothrix* spp.	ISO13722:2017
	20. Detection of *Shigella spp.*	ISO 21567:2004
	21. Detection of pathogenic *Yersinia enterocolitica*	ISO 10273:2017
	22. Conduction challenge tests to study growth potential, lag time and maximum growth rate of Listeria monocytogenes	Method according to EURL Lm TECHNICAL GUIDANCE DOCUMENT on challenge tests and durability studies for assessingshelf-life of ready-to-eat foods related to Listeria monocytogenes Version 4 of 1 July 2021
12. Food and animal feeding stuffs with a_w> 0,95	Enumeration of yeasts and moulds	ISO 21527-1:2008
13. Food and animal feeding stuffs with $a_w \leq 0,95$	Enumeration of yeasts and moulds	ISO 21527-2:2008
14. Meat and meat products	Enumeration of *Pseudomonas* spp.	ISO 13720:2010
15. Animal faeces and environmental samples from the primary production stage	Detection of non-typhi and non-paratyphi *Salmonella* spp.	ISO 6579-1:2017
16. Salmonella isolates	Serotyping of *S. Enteritidis* and *S. Typhimurium*	ISO/TR 6579-3:2014
17. Cosmetics	1. Enumeration and detection of aerobic mesophilic bacteria	ISO 21149:2017
	2. Detection of *Candida albicans*	ISO 18416:2015
	3. Enumeration of *yeast and moulds*	ISO 16212:2017
	4. Detection of S. aureus	ISO 22718:2015
	5. Detection of E. coli	ISO 21150:2015
	6. Detection of Pseudomonas aeruginosa	ISO 22717:2015
	7. Evaluation of the microbial protection of cosmetic products by use of a preservation efficacy test (Challenge test)	ISO 11930:2019/Amd 1:2022
18. Water (water for human consumption, surface water and groundwater)	Detection and Enumeration of somatic coliphages	ISO 10705-2:2000
Environmental Tests		

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Air	Determination of airborne biocontamination (passive sampling)	ISO 14698-1:2003
Sampling		
1. Drinking water and water for human consumption, processed waters, recreational waters and seawaters, water from lakes, rivers and streams, swimming pool water, environmental samples (sludge, sediments, sewage), water from air-conditioning instruments, waste, wastewaters and sludges	1. Determination of chemical parameters	ISO 5667-1:2023 ISO 5667-3:2024 ISO 5667-4:2016 ISO 5667-5:2006 ISO 5667-6:2014 ISO 5667-9:1992 ISO 5667-10:2020 ISO 5667-11:2009 ISO 5667-13:2011 ISO 5667-14:2014 ISO 5667-15:2009 ISO 18400-101:2017 ISO 18400-102:2017 ISO 18400-103:2017 ISO 18400-104:2018 ISO 18400-105:2017 ISO 18400-106:2017 ΕΛΟΤ ΕΝ 14899:2006
	2. Microbiological investigations	ISO 19458:2006 ISO 5667-1:2020 ISO 5667-5:2006 ISO 5667-6:2014 ISO 5667-9:1992 ISO 5667-13:2011 ISO 5667-14:2104
2. Samples from surfaces using contact plates and swabs	Horizontal methods for sampling techniques for microbiology tests	ISO 18593:2018

[#] Methods marked with (#) are in accordance with the method specification of Ministerial Decision Δ1(δ)/ΓΠ οικ. 27829/2023 (ΦΕΚ 3525/Β` 25.5.2023) concerning the quality of the water intended for human consumption

[##] Methods marked with (##) are in accordance with the method specification of Ministerial Decision Π/112/1057/2016/1.2.2016 ΚΥΑ (ΦΕΚ 241/Β/9-2-2016) and the Council Directive 2013/51/EYRATOM

[###] Except for Annex D which concerns feed containing additives such as copper

[(1)] Waste and Wastewater include leachates from the leaching test at a liquid to solid ratio of: L/S = 2, L/S = 8 and L/S = 10 l/kg and leachates from the up-flow percolation test.

Site of assessment: Laboratory permanent premises – **Nafpliou 29, 14452, Metamorfosi, Athens, GREECE**
Approved signatories: **P. Nisianakis, G. Moschonas**

This Scope of Accreditation replaces the previous one, dated 20.01.2025.
The Accreditation Certificate No. **102**-7, according to ELOT EN ISO/IEC 17025:2017, is valid until 09.10.2027.

Athens, 4th of April 2025

Konstantinou Evangelos Apostolos
CEO of ESYD