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CERTIFICATE OF ACCREDITATION

This is to attest

SGS CHILE LTDA SOCIEDAD DE CONTROL

PUERTO MADERO # 130
SANTIAGO, 8320000, CHILE

Testing Laboratory TL-1171

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date June 1, 2026

Effective Date March 4, 2025



International Accreditation Service
Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

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www.sgs.cl

Contact Name Marcia Quintanilla

Contact Phone +56-932571785

Accredited to ISO/IEC 17025:2017

Effective Date March 4, 2025

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemistry – Food	Animal Feed	<u>Drugs:</u> Abamectin, Amoxicilin, Avilamycin, oxolinic acid, Ciprofloxacin, Enrofloxacin, Flumequine, Penicillin G, Norfloxacin, Trimetropin, Diflubenzuron, Sarafloxacin, Ivermectin, Emamectin, Erythromycin, Spiramycin, Tylosin, Teflubenzuron, Chloranphenicol, Florfenicol	Analysis of antimicrobial agents in animal feed by liquid chromatography coupled to orbitrap mass spectrometry- I-CTS-LAB-357
	Meal of avian origin: Animal Meal (blood, feather, shrimp, visors, hemoglobin, pig) and Vegetable Meal (sunflower, cassava)	<u>Sulfonamides:</u> Sulfachloropyridazine, Sulfadiazine, Sulfadimethoxine, Sulfadoxine, Sulfamerazine, Sulfamethazine, Sulfamethoxypyridazine, Sulfaquinolaxline, Sulfathiazol	
		<u>Coccidiostats:</u> Lasalocid acid, Narasin, Diclazuril, Monensin, Halofuginone, Robenidine, Decoquinate, Salinomycin, Maduramicin, Nicarbazine	
		<u>Tetracyclines:</u> Oxytetracycline, Doxycycline, Chlortetracycline, Tetracycline	
		<u>Nitrofurans:</u> AHD, AMOZ, AOZ, SEM	Determination of nitrofurans metabolites in animal feed by liquid chromatography-tandem mass spectrometry - I-CTS-LAB-328

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemistry – Food (cont'd.)	Animal Feed Meal of avian origin: Animal Meal (blood, feather, shrimp, visors, hemoglobin, pig) and Vegetable Meal (sunflower, cassava) (cont'd.)	Crystal Violet, Leucocrystal Violet, Malachite Green, Leucomalachite Green, Brilliant Green	Determination of multiresidues method for the dyes in animal feed by liquid chromatography-tandem mass spectrometry - I-CTS-LAB- 329
	Nuts, seed, and oil Meal of avian origin: Animal Meal (meal blood, meal feather, meal shrimp, meal visors, meal hemoglobin, meal pig) and Vegetable Meal (meal sunflower, meal cassava)	Aflatoxins B1, Aflatoxins G1, Aflatoxins B2, Aflatoxins G2, Ochratoxin, Deoxynivalenol, Zearalenone, Diacetoxyscirpenol, HT2 toxin, T2 toxins, Fumonisin B1, Fumonisin B2,	Determination of Mycotoxins in various types of food (nuts, feed, oil, milk derivatives, juice and fruit derivatives by liquid chromatography-tandem mass spectrometry - I-CTS-LAB-345
	Milk and Milk derivatives	Aflatoxins M1	I-CTS-LAB-380, Ed 00 Determination of Aflatoxin M1 in food by LC-MS / MS. Basado en: Development and Validation of Methodology for Determining Multimicotoxins in cocoa Almons Samples by LC-MS/MS. Universidad Federal de Labras 2019
	Juice and Fruit products	Patulin	I-CTS-LAB-379, Ed. 00 Determination of Patulin in food by LC-MS / MS Basado en Simultaneous and Sensitive Determination of Multiple Mycotoxins in Wines by UHPLC Triple Quadrupole Mass Spectrometry. S. Han, Y. Liu, P.-Y. Wang, and J.-H. Wang Technique Center, Beijing Entry-Exit Inspection and Quarantine Bureau Beijing, China M. Lu and S. Zhou WW Food Team China Segment, Agilent Technologies, Inc. Beijing, China. November 26, 2013

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Chemistry – Food (cont'd.)	Animal tissues (bovine, rabbit, swine, chicken, ovine and porcine), Organs (liver of pig, chicken, turkey and bovine) milk and seafood	Ciprofloxacin, Danofloxacin, oxolinic acid, Sarafloxacin, Flumequine amoxicillin, Enrofloxacin, Erythromycin, Lincomycin, Spiramycin Tiamulin, Trimetropin, Tylosin Sulfachloropyridazine, Sulfadiazine Sulfadimethoxine, Sulfadoxine Sulfamethoxazol, Sulfamerazine Sulfamethazine, Sulfamethoxypyridazine, Sulfaquinoxaline, Sulfathiazol Oxytetracycline, 4-epiOxytetracycline Doxycycline, Chlortetracycline 4-EpiChlortetracycline, Tetracycline 4-EpiTetracycline	Simultaneous determination of selected veterinary antibiotics in gelthead seabream (<i>Sparus aurata</i>) by liquid chromatography B, 857 (2007) 142-148 I-CTS-LAB-327
		Abamectin, Emamectin, Eprinomectine, Moxidectine Doramectin, Ivermectin	Positive and negative electrospray LC-MS-MS methods for quantitation of the antiparasiticendectocide drugs, abamectine, emamectine, eprinomectin, ivermectin, moxidectin and selemectin in milk. David A. Durden, Journal of Chromatography B, 850 (2007) 134-146 I-CTS-LAB-326
		Florfenicol, Chloranphenicol	Simultaneous determination chloramphenicol, thiamphenicol, florfenicol and florfenicol amine in chicken muscle by liquid chromatography-tandem mass spectrometry. Zhang Suxia Et al. Journal Chromatography B. 875 (2008) 339-404 I-CTS-LAB-330
		AHD, AMOZ, AOZ, SEM	Determination of nitrofurans metabolites in poultry muscle and eggs by liquid chromatography- tandem mass spectrometry. J. Donato, M sucupira, G de Nucci. Journal of Chromatography B 824 (2005) 30-35 I-CTS-LAB-328

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Chemistry – Food (cont'd.)	Fish flour, food and milk	Melamine	Determination of melamine in rat plasma, liver, kidney, spleen, bladder and brain by liquid chromatography-tandem mass spectrometry. Yu-Tse Wu. Et al. Journal of chromatography A, 1216 (2009) 7595-7601 I-CTS-LAB-325
	Seafood product	Crystal Violet, Leucocrystal Violet Malachite Green, Leucomalachite Green, Brilliant Green	Multiresidues method for the tri-phenylmethane dyes in fish: Malachite green, crystal violet (gentian), and brilliant green. W. Anderson, S. turnipseep, C karbiwnyk, R. Lee, D rowe, M. Madson, K Miller. Analytica Chimica Acta 637 (2009) 279-289 I-CTS-LAB-329
	Hydrobiological product	2,4-D; Diquat	I-CTS-LAB-390 Determination of Hydrobiological 2,4-D and Diquat Residues by LC-MS/MS
	Hydrobiological product	Aldrin, Clordane, DDD; DDE; DDT; Dichlorvos; Dieldrin; Heptachlor; Heptachlor epoxy; Mirex; Lindane; Methoxychlor	I-CTS-LAB-334 Determination of Hydrobiological by GC-MS/MS
	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content	2,4-D, Abamectin, Acephate, Acequinocyl, Acetamiprid, Acibenzolar-S-methyl, Aldicarb, Aldicarb (Sum), Aldicarb sulfone, Aldicarb sulfoxide, Ametoctradin, Aminocarb, Amitraz, Amitrole, Atrazine-desisopropyl, Azaconazole, Azadirachtin, Azamethiphos, Azimsulfuron, Azinphos ethyl, Azinphos methyl, Azoxystrobin, BAC (Sum), BAC n-c08, BAC n-c10, BAC n-c12, BAC n-c14, BAC n-c16, BAC n-c18, Bendiocarb, Benfuracarb, Bentazone, Bentazone methyl, Benthiavalicarb isopropyl, Benzovindiflupyr,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Bioallethrin, Bixafen, Boscalid, Bromacil, Bromoxynil, Bromuconazole, Buprofezin, Butachlor, Butocarboxim, Butocarboxim-sulfone, Buturon, Cadusafos, Carbaryl, Carbendazim/Benomyl, Carbetamide, Carbofuran, Carbofuran (Sum), Carbofuran-3-hydroxy, Carboxin, Carboxin (Sum), Carfentrazone-ethyl, Cartap, Cyanazine, Cyazofamid, Cyclanilide, Cycloate, Cyclocydim, Cyflunamid, Cyflumetofen, Cyhalofop butyl, Cyhexatin/Azociclotin (Sum), Cymoxanil, Cyromazine, Clethodim, Clethodim sulfone, Clethodim sulfoxide, Clofentezine, Clomazone, Chlorantraniliprole, Chlorbromuron, Chlorfluazuron, Chloridazon, Cloridazon (Sum), Chloridazon-desphenyl, Chlorsulfuron, Chlorthiophos, Chlortoluron, Chloroxuron, Clothianidin, Coumaphos, Cyantraniliprole, Dazomet, DDAC (Sum), DDAC n-c08, DDAC n-c10, DDAC n-c12, DDAC n-c14, Demeton- S, Demeton- S- methyl-sulfoxide, Demeton- S- methyl, Demeton- S- methyl-sulfone, Desmedipham, Desmetryn, Dialifos, Dicamba, Dichlofluanid, Diclofop, Diclofop methyl, Diclofop Metil (Sum), Dichlormid, Dichlorprop-p, Diethofencarb, Diflubenzuron, Dimefuron, Dimethachlor, Dimethenamid-p, Dimethoate, Dimethomorph, Dinotefuran, Diuron, DMST, DNOC,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Dodemorph, Dodine, Edifenphos, Enamectin, Epoxiconazole, Spinetoram, Spinosad, Spiroclufen, Spiromesifen, Spirotetramat, Spirotetramat (Sum), Spirotetramat-enol, Spirotetramat-keto-hydroxy, Spirotetramat-enol-glucoside, Spirotetramat-mono-hydroxy, Spiroxamine, Ethaboxam, Ethirimol, Ethiofencarb, Ethiofencarb-sulfone, Ethiofencarb-sulfoxide, Ethiprole, Etofenprox, Etoxazole, Ethoxyquin, Famoxadone, Fenamidone, Fenamiphos, Fenamiphos (suma), Fenamiphos sulfone, Fenamiphos sulfoxide, Fenbuconazole, Fenbutatin oxide, Fenhexamid, Phenmedipham, Fenobucarb, Fenoxycarb, Fenciclonil, Fenpyrazamine, Fenpyroximate, Fenpropidin, Fenpropimorph, Fensulfothion, Fensulfothion-oxom, Fensulfothion-oxon-sulfone, Fensulfothion-sulfone, Fenthion (Sum), Fenthion-oxon-sulfone, Fenthion-oxon-sulfoxide, Fenthion-sulfone, Fenthion-sulfoxide, Fenuron, Fipronil (Sum), Fipronil-sulfide, Fipronil-sulfone, Flamprop (free acid), Flazasulfuron, Flonicamid, Flonicamid (Sum), Florasulam, Fluazinam, Fluazifop-methyl, Fluazifop-P, Fluazifop-P (Suma), Fluazifop-P-butyl, Flubendiamide, Fludioxonil, Flufenacet, Flufenacet (Sum), Flufenacet-ethane sulfonic acid (ESA) sodium, Flufenacet-oxalamic acid (OA), Flufenoxuron,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Fluometuron, Fluoxastrobil, Flupyradifurone, Fluquinconazole, Fluoxypyr, Fluroxypyr-meptyl, Flusilazole, Flutolanil, Flutriafol, Fluoxapyrazad, Foramsulfuron, Phorate-oxon, Phorate-sulfone, Phorate-sulfoxide, Forchlorfenuron, Formetanate hydrochloride, Formothion, Phosphamidon, Phosmet, Phosmet (Sum), Phosmet-oxon, Fosthiazate, Phoxim, Fuberidazol, Furalaxyl, Halosulfuron methyl, Halosulfuron (Sum), Haloxyfop methyl, Haloxyfop-2-ethoxyethyl, Haloxyfop-R, Hexaflumuron, Hexazinone, Hexythiazox, Imazalil, Imazamox, Imazapyr, Imidacloprid, Indaziflam, Indoxacarb, Iodosulfuron methyl sodium, Isoprocarb, Isoproturon, Isopyrazam, Isoxaben, Isoxaflutole, Isoxathion, Ivermectine, Lenacil, Linuron, Lufenuron, Mandipropamid, Matrine, MCPA, Mecarbam, Mepanipyrim, Meptyldinocap, Mesosulfuron-methyl, Methabenzthiazuron, Metaflumizone, Methamidophos, Metamitron, Metazachlor, Metconazole, Thiophanate-methyl, Methiocarb, Methiocarb (Sum), Methiocarb sulfone, Methiocarb sulfoxide, Metobromuron, Metolachlor, Metolcarb, Methomyl, Methoprene, Methoprotryne, Methoxyfenozide, Metoxuron, Metrafenone, Metsulfuron-methyl, Milbemicin (Sum), Milbemicin A3, Milbemicin A4, Monocrotophos, Monolinuron, Monuron, Neburon,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Nicosulfuron, Nitepyram, Norflurazon, Novalurón, Omethoate, Oryzalin, Oxadiargyl, oxadiazon, Oxamyl, Oxasulfuron, Oxathiapiprolin, Oxycarboxin, Oxydemeton-methyl (Sum), Oxymatrine, Paclobutrazol, Pencycuron, Penthiopyrad, Picolinafen, Picoxystrobin, Pymetrozine, Pinoxaden, Pyracarbolid, Pyraclostrobin, Pyraflufen, Pyraflufen-ethyl, Piraflufeno-etilo (Sum), Pyridalyl, Pyridate, Pirimicarb, Pirimicarb (Sum), Pirimicarb-desmethyl, Pirimicarb-desmethyl-formamido, Prochloraz, Propham, Propamocarb, Propachlor, Propachlor-oxalamic acid, Propanil, Propaquizafop, Propiconazole, Propoxur, Proquinazid, Prosulfocarb, Prosulfuron, Prothioconazole, Pydiflumetofen, Quinclorac, Quinoxifen, Quizalofop-Ethyl, Rimsulfuron, Rotenone, Saflufenacil, Sebuthylazine, Sedaxane, Sethoxydim, Sulcotrione, Sulfosulfuron, Sulfotep, Sulfoxaflor, Tebufenozide, Teflubenzurón, Tepraloxydim, Terbufos sulfone, Tebufos sulfoxide, TFNA, TFNG, Thiamethoxam, Tiabendazol, Thiacloprid, Thidiazuron, Thifensulfuron methyl, Thiobencarb, Thiocyclam, Thiodicarb, Thiofanox, Thiofanox sulfone, Thiofanox sulfoxide, Tolfepyrad, Tolyfluanid, Tolyfluanid (Sum), Triasulfuron, Triazophos, Triazoxide, Tricyclazole, Triclopyr, Trichlorfon, Tricresyl fosfate, Tridemorph, Trifloxystrobin,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Triflumizole, Triflumizole (Sum), Triflumizole, FM-6-1, Triflumuron, Triforine, Trinexapac, Triticonazole, Vamidothion, Zoxamide, 1,3-Dichloropropene, 2,4,6-Trichloroanisole, 2,4,6-Trichlorophenol, 2-Phenylphenol, Acetochlor, Aclonifen, Acrinathrin, Alachlor, Aldrin, Ametryn, Anthraquinone, Atrazine, Atrazine-desethyl, Beflubutamid, Benalaxyl, Benfluralin, Bifenazate, Biphenyl, Bifenox, Bifenthrin, Bitertanol, Bromocyclen, Bromophos-ethyl, Bromophos-methyl, Bromopropylate, Bupirimate, Butralin, Captan, Captan (Sum), Carbophenothion, Cyanopyrafen, Cyfluthrin, Cinidon-ethyl, Cypermethrin, Cyproconazole, Cyprodinil, Chlorobenzilate, Chlordane (Sum), Chlordane cis, Chlordane trans, Chlorfenapyr, Chlorfenson, Chlorfenvinphos, Chlormephos, Chloropicrin, Chlorothalonil, Chlorthion, Chlorpyrifos, Chlorpyrifos methyl, Chlorpropham, Chlorthal-dimethyl, Chlozolate, Crimidine, Cyhalothrin-L, DDD o,p, DDD p,p (TDE), DDE o,p, DDE p,p, DDT (Suma), DDT o,p, DDT p,p, DEET, Deltamethrin, Diafenthion, Diazinon, Dichlobenil, Diclobutrazol, Dichlofenthion, Dicloran, Dichlorvos, Dicofof (Sum), Dicofof o,p, Dicofof p,p, Dicrotophos, Dieldrin, Dieldrin (Sum), Diphenylamine, Difenconazole, Diflufenican, Dimefox, Dimoxystrobin,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Diniconazole, Dinobuton, Disulfoton, Disulfoton (Sum), Disulfoton sulfone, Disulfoton sulfoxide, Ditalimfos, Endosulfan (Sum), Endosulfan alfa, Endosulfan beta, Endosulfan sulfate, Endrin, EPN, Epsilon-HCH, EPTC, Esfenvalerate, Ethalfuralin, Ethion, Ethofumesate, Ethofumesate 2 keto, Ethoprophos, Etridiazole, Etrimfos, Fenarimol, Fenazaquin, Fenchlorphos, Fenchlorphos (Sum), Fenchlorphos oxon, Phenothrin, Fenpropathrin, Fenson, Fenthion, Fenthion oxon, Phenthoate, Fenvalerate, Fenvalerate/Esfenvalerate (SUM), Fipronil, Flucythrinate, Flumetralin, Flumioxazin, Fluopicolide, Fluopyram, Fluotrimazole, Flurtamone, Fluvalinate tau, Folpet, Folpet (Sum), Fonofos, Phorate, Phorate-oxon-sulfone, Phorate-Oxon-Sulfoxide, Phosalone, Phthalimide (Folpet), Furalaxyl, HCH alfa, HCH beta, HCH delta, HCH gamma (Lindane), Heptachlor, Heptachlor (Sum), Heptachlor epoxide cis, Heptachlor epoxide trans, Heptenophos, Hexachloro-1,3-butadiene, Hexachlorobenzene, Hexaconazole, Iodofenphos, Ioxynil, Iprobenfos, Iprodione, Iprovalicarb, Isazofos, Isocarbofos, Isofenphos, Isofenphos methyl, Isoprothiolane, Kresoxim-methyl, Malaoxon, Malathion, Malathion (Sum) Mefenpyr-diethyl, Mepronil, Methacrifos,	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	Metaxyl, Methidathion, Methoxychlor, Metribuzin, Mevinphos, Myclobutanil, Mirex, Molinate, Naled, Napropamide, Nitrofen, Nitrothal-isopropyl, Nuairimol, Ofurace, Oxadixyl, Oxychlorfene, Oxyfluorfen, Paraoxon ethyl, Paraoxon methyl, Parathion ethyl, Parathion methyl, Parathion methyl (Sum), Penconazole, Pendimethalin, Pentachloroaniline, Pentachloroanisole, Pentachlorobenzene, Pentachlorobenzonitrile, Permethrin (Sum), Permethrin cis, Permethrin trans, Piperonyl butoxide, Pyrazophos, Pyridaben, Pyridaphenthion, Pyrifenoxy, Pyrimethanil, Pirimiphos ethyl, Pirimiphos methyl, Pyriproxyfen, Procymidone, Prochloraz, Prochloraz (Sum), Profenofos, Profluralin, Prometryn, Propargite, Propazine, Propetamphos, Propyzamide, Prothiophos, Quinalphos, Chinomethionat, Quintozene, Quintozene (Sum), Silthiofam, Simazine, Sulprofos, Tebuconazole, Tebufenpyrad, Tecnazene, Tefluthrin, Terbacil, Terbufos, Terbumeton, Terbutylazine, Terbutylazine-desethyl, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetrahydroftalamida (Captan), Tetramethrin, Tetrasul, Thiometon, Tolclofos methyl, Transfluthrin, Triadimefon, Triadimenol, Tri-allate, Triamiphos, Trifluralin, Uniconazole-P, Vinclozolin Fenitrothion, Captafol	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemistry – Food (cont'd.)	General Food High water content and acid, High oil and intermediate water content High sugar and low water content. High oil content and very low water content High starch and/or protein content and low water and fat content High oil content High water and sugar content (cont'd)	2,4-D, Azoxystrobin, Diphenylamine, Fenhexamid, Fludioxonil, Imazalil, Iprodione, Pyrimethanil, Prochloraz, Tebuconazole, Tiabendazol Fosetyl-Al, Fosfonic acid, Ethephon, Glyphosate, Glufosinate-Ammonium, Perchlorate, Chlorate, Chlormequat, Diquat, Paraquat	I-CTS LAB-384 Determination of Post-harvest Pesticide Residues by LC-MS/MS: 2,4-D, Azoxystrobin, Diphenylamine, Fenhexamid, Fludioxonil, Imazalil, Iprodione, Pyrimethanil, Prochloraz, Tebuconazole and Thiabendazoles I-CTS-LAB-386 Determination of Polar Compounds by LC-MSMS: Ethephon, fosetyl-Al, phosphorous ac., glyphosate, glufosinate, chlorate and perchlorate. I-CTS-LAB-389 Determination of Quats by LC-MSMS: Diquat, chlormequat and paraquat
		Clormequat	I-CTS-LAB-389 Determination of Quats by LC-MSMS
		Fosetyl-Al, Fosetyl-Al (sum); Fosfonic acid, Perchlorate, Chlorate	I-CTS-LAB-386 Determination of Polar Compounds by LC-MSMS
		Dithiocarbamate	I-CTS-LAB-385 Determination of Dithiocarbamates by GC-MS/MS
		Acephate Acetamiprid Acibenzolar-S-methyl Ametoctradin Aminocarb Amitraz Aldicarb Aldicarb-sulfone Aldicarb-sulfoxide Azaconazol Azametiphos Azinphos-ethyl Azinphos-methyl Azocyclotin Azoxystrobin BAC8	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	BAC10 BAC12 BAC14 BAC16 BAC18 Bendiocarb Bentazone-metil Benthiavalicarb-Isopropyl Bioallethrin Bixafen Boscalid Bromacil Bromoxynil Bromuconazol Buprofezin Butachlor Butocarboxim-sulfone Buturon Cadusafos Carbaryl Carbendazim Carbetamide Carbofuran Carbofuran-3-hydroxy Carboxim Carfentrazone-ethyl Cartap Cyanazine Cyazofamid Cycloate Cyclocidim Cyflufenamid Cyflumetofen Cletodim Cletodim-sulfone Cletodim-sulfoxide Clofentezine Clomazone Chlorantraniliprole Chlorbromuron Chlorfluazuron Chloridazon Chlorsulfuron Chlorthiophos Chloroxuron Coumaphos Cyantraniliprol DDAC12 DDAC14	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Demeton-S Demeton-S-methylsulfone Demeton-S-methylsulfoxide Desmedipham Desmetryn Dialifos Dichlofluanid Diethofencarb Diflubenzuron Dimefuron Dimethachlor Dimethenamid Dimethoate Dimethomorph Diuron Dodemorph Edifenphos Emamectin-benzoate Epoxiconazol Ethaboxam Ethirimol Ethiofencarb Ethiofencarb-sulfoxido Ethiprole Etofenprox Etoxazole Etoxyquin Fenamidone Fenamiphos Fenamiphos-sulfone Fenamiphos-sulfoxide Fenbuconazole Fenhexamid Fenobucarb Fenoxycarb Fenpropidin Fenpropimorph Fenpyrazamine Fenpyroximate Fensulfothion Fensulfothion-oxon Fensulfothion-oxon-sulfone Fensulfothion-sulfone Fenthion-sulfone Fenthion-sulfoxide Fenuron Flamprop Flazasulfuron Flonicamid	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Florasulam Fluazifop Fluazifop-P-buthyl Flufenacet Flufenoxuron Fluometuron Flupyradifurone Fluquinconazole Fluroxypyr Fluroxypir-methyl Flusilazol Flutolanil Flutriafol Fluxapyrosad Formeteanate Foramsulfuron Forchlorfenuron Fosfamidon Fosmet Fosmet-oxon Fuberidazole Furalaxyl Halosulfuron-methyl Haloxyfop-methyl Haloxyfop-2-ethoxyethyl Haloxyfop-R Hexaflumuron Hexazinone Hexythiazox Imazalil Imazamox Imazapir Imidacloprid Indaziflam Indoxacarb Isoproturon Isopyrasam Isoxaben Isoxaflutole Isoxathion Lenacil Linuron Mandipropamid Matrine Mecarbam Mepanypirim Mesosulfuron-methyl Methabenzthiazuron Metaflumizone	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Methamidophos Metamitron Metazachlor Metconazole Methiocarb Methiocarb-sulfoxide Metobromuron Metolachlor Metolcarb Methomyl Methoprotetryne Methoxyfenozide Metoxuron Metrafenone Metsulfuron-methyl Monocrotophos Monolinuron Monuron Neburon Nicosulfuron Nitempyram Norflurazon Novaluron Omethoate Oxadiargyl Oxidiazon Oxasulfuron Oxathiapiprolin Oxycarboxim Paclobutrazol Pencycuron Phenmedipham Picolinafen Picoxystrobin Phorate-Oxon Phoxim Pymetrozine Pinoxaden Pyracarbolid Pyraclostrobin Pyraflufen-ethyl Pyridalil Pirimicarb Pirimicarb-Desmethyl Pirimicarb-Desmethylformamide Procloraz Propham Propamocarb	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Propachlor Propanil Propaquizafop Propiconazole Propoxur Proquinazid Prosulfocarb Prosulfuron Prothioconazole Pydiflumetofen Quinoxifen Quizalofop-ethyl Rimsulfuron Rotenone Saflufenacil Sebutylazine Sethoxydim Spinoteram Spinosad-A Spinosad-D Spirodiclofen Spirotetramato Spirotetramato-Enol Spiroxamine Sulcotrione Sulfosulfuron Sulfotep Sulfoxaflor Tebufenozide Tepraloxidim Terbufos-sulfone Terbufos-sulfoxide Thiametoxam Thiabendazol Thiacloprid Thiadizuron Thifensulfuron-methyl Thiobencarb Thiodicarb Thiofanox Thiofanox-sulfone Thiofanox-sulfoxide Thiofanato-methyl Tolfepyrad Tolyfluanid Triasulfuron Triazophos Triazoxide Tricyclazole	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Trichlorfon Tridemorph Trifloxystrobin Triflumizole Triflumizole-FM-6-1 Triforine Triticonazole Vamidothion Zoxamide Triflumuron Trinexapac+ Clorotoluron Benzovindiflupir Lufenuron Teflubenzuron Cyclanilide DNOC Fipronil_sulfone Fluazinam Fluazifop-methyl Sedaxano Bentazone Triclopyr Abamectina Azocyclotin Butocarboxin Cymoxanil Cyromazine Dazomet DDAC8 DDAC10 Dichlormid Famoxadone Fipronil-sulfide Flufenacet-ESA Metsulfuron-methyl Oxymatrine Quinclorac 2.4D MethylDinocap TFNG Fludioxonil TFNA Piraflofen MCPA Diclorprop-p Diclofop Flufenacet OA 1,3-Dichloropropene	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	2,4,6-Trichloroanisole 2-Phenylphenol Acetochlor Aclonifen Acrinathrin Fiponil Alachlor, Aldrin, Ametryn, Anthraquinone, Atrazine, Atrazine-desethyl, Beflubutamid, Benalaxyl, Benfluralin, BHC-alpha (benzene hexachloride), BHC-beta, BHC-delta, BHC- epsilon, BHC-gamma (Lindane, gamma HCH), Bifenazate, Bifenox, Bifenthrin, Biphenyl, Bitertanol II, Bromocyclen, Bromophos Methyl, Bromophos-ethyl, Bromopropylate, Bupirimate, Butralin, Captafol, Captan, Carbofenothion, Chinomethionate (Oxythioquinox), Chlordane- cis, Chlordane-trans, Chlorfenapyr, Chlorfenson, Chlorfenvinphos, Chlormephos, Chlorobenzilate, Chloropicrin, Chlorothalonil, Chlorpropham, Chlorpyrifos, Chlorpyrifos- methyl, Chlorthal Dimethyl, Chlorthion, Chlozolate, Cinidon-ethyl, Crimidine, Cyenopyrafen, Cyfluthrin, Cyhalothrin (Lambda), Cypermethrin, Cyproconazole, Cyprodinil, DDD-o,p', DDD-p,p', DDE- o,p', DDE-p,p', DDT-o,p', DDT-p,p', DEET, Deltamethrin, Diafenthion, Diazinon, Dichlobenil, Dichlofenthion, Dichloran, Dichlorvos, Diclobutrazol, Dicofol, o, p', Dicofol, p, p'-, Dicrotofos, Dieltrin,	I-CTS-LAB-324 Determination of Pesticide Residues by LC- MS/MS and GC-MS/MS (cont'd.)

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Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Difenoconazole I, Diflufenican, Dimefox Dimoxystrobin, Diniconazole, Diphenylamine, Disulfoton sulfone, Disulfoton, Disulfoton-sulfoxide, Ditalimfos, Endosulfan I (alpha isomer), Endosulfan II (beta isomer), Endosulfan sulfate, Endrin, EPN, EPTC, Esfenvalerate, Ethalfuralin, Ethion Ethofumesate, 2-keto-, Ethofumesate, Ethoprophos, Etridiazole, Fenarimol, Fenazaquin, Fenchlorphos oxon, Fenchlorphos, Fenitrothion, Fenpropathrin, Fenson, Fenthion, Fenthion- oxon, Fenvalerate I, Flucythrinate I, Flumetralin, Flumioxazin, Fluopicolide, Fluopyram, Fluotrimazole, Flurtamone, Fluvalinate-tau I, Folpet, Fonofos, Furalaxyl, Heptachlor endo-epoxide, Heptachlor exo-epoxide, Heptachlor Heptenophos, Hexachlorobenzene, Hexachlorobutadiene, Hexaconazole, Iodofenphos, Iprobenfos, Iprodione, Iprovalicarb I, Isazofos, Isocarbophos, Isofenphos, Isofenphos-methyl, Isoprothiolane, Kresoxim- methyl, Malaoxon, Malathion, Mefenpyr-diethyl, Mepronil, Metalaxyl, Methacrifos, Methidathion, Methoxychlor, Metribuzin, Mevinphos, E-, Mevinphos, Mirex, Molinate, Myclobutanil, Napropamide, Nitrofen, Nitrothal-isopropyl, Nuaimol, Ofurace, Oxadixyl, Oxychlorane, Oxyfluorfen, Paraaxon, Paraaxon-methyl, Parathion, Parathion-methyl,	I-CTS-LAB-324 Determination of Pesticide Residues by LC- MS/MS and GC-MS/MS (cont'd.)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemistry – Food (cont'd.)	General Food High water content and acid (Wine). (cont'd.)	Penconazole, Pendimethalin, Pentachloroaniline, Pentachloroanisole, Pentachlorobenzene, Pentachlorobenzonitrile, Permethrin, Phenothrin, Phenthoate, Phorate oxon sulfone, Phorate sulfoxide oxon, Phorate, Phosalone, Phthalimide, Piperonyl butoxide, Pirimiphos-ethyl, Pirimiphos-methyl, Prochloraz, Procymidone, Profenofos, Profluralin, Prometryn, Propargite, Propazine, Propetamphos, Propyzamide, Prothiofos, Pyrazophos, Pyridaben, Pyridaphenthion, Pyrifenoxy I, Pyrimethanil, Pyriproxyfen, Quinalphos, Quintozene, Silthiofam, Simazine, Sulprofos, Tebuconazole, Tebufenpyrad, Tecnazene, Tefluthrin, Terbacil, Terbufos, Terbumeton, Terbutylazine, Terbutylazine-desethyl, Terbutryn, Tetrachlorvinphos, Tetraconazole, Tetradifon, Tetrahydroftalimide, Tetramethrin I, Tetrasul, Thiometon, Tolclofos-methyl, Transfluthrin, Triadimefon, Triadimenol, Triallate, Trichlorophenol, 2,4,6-, Trifluralin, Uniconazole-P	I-CTS-LAB-324 Determination of Pesticide Residues by LC-MS/MS and GC-MS/MS (cont'd.)
Microbiology-Food and Environmental	General Food Multicomponent foods or meal components Raw meat and ready-to-cook meat products (except poultry) Raw poultry and ready-to cook poultry products, environmental samples	Salmonella spp.	Real time PCR analysis for the detection of Salmonella spp. AFNOR validation N° BIO 07/06 – 07/04.
		Listeria monocytogenes	Real time PCR analysis for the detection of Listeria monocytogenes AFNOR validation N° BIO 07/10 – 04/05.

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Microbiology-Food and Environmental (cont'd.)	General Food Multicomponent foods or meal components Raw meat and ready-to-cook meat products (except poultry) Raw poultry and ready-to cook poultry products, environmental samples (cont'd.)	Listeria spp	Real time PCR analysis for detection of Listeria spp. AFNOR validation BRD 07/13-05/07
		Listeria spp. and Listeria monocytogenes	I-CTS-LAB-188 Detection of Listeria spp. and Listeria monocytogenes by real-time duplex PCR
		Salmonella spp	I-CTS-LAB-187 Detection of Salmonella spp. Using real-time PCR
	Seawater, Ground water, Surface Water, wastewater, Drinking water, Water for industrial purposes	Determination of Total coliforms and Escherichia coli by Colilert	NCh3437:2016 Enumeration of Escherichia coli and Coliform Bacteria-Most Probable Number Method. Standard Methods of Water and Wastewater Ed. 24th, 2023 Enzyme Substrate Coliform Test 9223 B.
		Determination of Fecal Coliforms by Colilert	NMX-AA-186-SCFI-2021 Most Probable Number Method (NMP) "Enzyme-Substrate"
	Raw beef, raw chicken, raw pork, fresh spinach, and apple cider.	Escherichia coli O157:H7	Real time PCR analysis for detection of E. coli O157:H7 AOAC performance tested License number 020801

