SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EUROFINS TESTING CHILE S.A.
Parque Antonio Rabat Sur 6165 Vitacura
Santiago, CHILE 766-0118
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BIOLOGICAL

Valid To: January 31, 2028 Certificate Number: 4744.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on food, feed, water, environment, surfaces and handlers:

Colilert Techniques

Test(s)	Matrix(ces)	Test Method(s)
Total and Fecal Coliforms, and *E. coli* by Colilert 18	Drinking Water, Well Water, Water for Irrigation, and Sea Water	ISO 9308-2:2012. Environmental Protection Agency 40 CFR Part 136
Total Coliforms and *Escherichia coli* by Colilert	Drinking Water, Well Water, Water for Irrigation	Standard Method 9223-B;

Colony Count Techniques

Test(s)	Matrix(ces)	Test Method(s)
Aerobic Plate Count	Food, Feed, and Surfaces	ISO 4833-1 ISO 4833-2
Anaerobic sulfite-reducing bacteria (*Clostridium* spp., spores)	Food	ISO 15213-1
Bacillus cereus	Food and Feed	ISO 7932
Bacteria Free Sedimentation	Environment	PTMS02 Based on Compendium of Methods for the Microbiological Examination of Foods, APHA, CMMEF 4ºEdición, 2001, Chapter. 3
Clostridium perfringens	Food	ISO 7937

Colony Count Techniques (*cont.*)

Test(s)	**Matrix(ces)**	**Test Method(s)**
Clostridium perfringens	Food	ISO 15213-2
Coliform and Escherichia coli determination	Food, Feed, and Surfaces	AOAC Official Methods 991.14 Petrifilm Technique ® (Petrifilm 3M)
Coliforms	Food, Feed, and Surfaces	ISO 4832
Crop Appreciation	Surfaces	PTMS01 Based on Compendium of Methods for the Microbiological examination of food 4ª Edition (Chapter 3, Page. 25-28), ABC Research NCh3057.Of2007
Determination of aerobic and anaerobic mesophiles and thermophiles	Canned food for human consumption	NCh2731:2002
Determination of Enterobacteriaceae	Food, Feed, and Surfaces	Petrifilm Technique AFNOR validation 3M 01/06 09/97 (Petrifilm 3M). AOAC 2003.01
Determination of Mesophilic Aerobes	Food, Feed, and Surfaces,	AOAC Official Methods, 990.12 3M 01/1 09/89 Petrifilm Technique ® (Petrifilm 3M)
E. coli	Food	ISO 16649-2; ISO 7251:2005
Enterobacteriaceae	Food, Feed, and Surfaces	ISO 21528-1; ISO 21528-2
Free Sedimentation of Fungi and Yeasts	Environment	PTMS03 Based on Compendium of Methods for The Microbiological Examination of Foods, APHA, CMMEF 3° Edition,1992,Chapter.3
Staphylococcus aureus	Food, Feed, and Surfaces	ISO 6888-1
Sulfite-reducing *Clostridium* spp	Food	ISO 15213-1
Yeast and Mold	Food	ISO 21527-1; ISO 21527-2
Yeast and Mold	Food	AOAC 997.02; (Petrifilm™ Method)

Presence/Absence Techniques

Test(s)	Matrix(ces)	Test Method(s)
Listeria spp. and *Listeria monocytogenes*	Food, Feed, and Surfaces	ISO 11290-1; ISO 11290-2
Salmonella spp.	Food, Feed, and Surfaces	ISO 6579-1
Detection of *Salmonella spp*	Food	NCh2675:2002
Detection of *Staphylococcus aureus*	Surfaces, Handlers	PTMM03 Based on NCh2828:2003 NCh3057:2007
Detection of *Escherichia coli*	Surfaces , Handlers	PTMM01 Based on NCh3057:2007; NCh2636:2001
Detection of total Coliforms	Surfaces , Handlers	PTMM05 Based of NCh3057: 2007; NCh2635/1:2002
Coliforms	Food, Feed, Surfaces and Handlers	ISO 4831
E. coli	Food, Feed, Surfaces and Handlers	ISO 16649-3
Staphylococcus aureus	Food, Feed, Surfaces and Handlers	ISO 6888-3

Membrane Filtration Techniques

Test(s)	Matrix	Test Method(s)
Total Coliforms and *E. coli* by Membrane Filtration	Drinking Water	ISO 9308-1:2014

Molecular Biology Techniques

Test	Matrix(ces)	Test Method(s)
E. coli O157 (including H7) Neogen® Molecular Detection Assay 2	Food and Feed	AFNOR 3M 01/12 – 03/13 AOAC 2017.01
L. monocytogenes, Neogen® Molecular Detection Assay 2	Food and Feed	AOAC-PTM 081501 3M 01/15-09/16
Salmonella spp., Neogen® Molecular Detection Assay 2	Food and Feed	AOAC 2016.01 3M 01/16 -11/16

PCR Techniques

Test(s)	Matrix(ces)	Test Method(s)
E.coli O157:H7, Qualitative Detection qPCR by BACGene	Meat, Fruit, Vegetables, and Surfaces	AFNOR EGS 38/06 – 11/19 AOAC 022002
L. monocytogenes, Qualitative Detection qPCR by BACGene	Food, Feed, and Surfaces	AOAC 061703; AFNOR EGS 38/03 – 01/17
Listeria spp. and *L. monocytogenes* Multiplex, Qualitative Detection Qpcr by BACGene	Food, Feed, and Surfaces	AOAC-PTM 061701; AFNOR EGS 38/02 – 01/17
Listeria spp., Qualitative Detection qPCR by BACGene	Food, Feed, and Surfaces	AOAC 061702; AFNOR EGS 38/02 – 01/17
Salmonella spp., Qualitative Detection qPCR by BACGene	Food, Feed, Meat, Fish, and Surfaces	AOAC 121501; AFNOR EGS 38/01 – 03/15

VIDAS Techniques

Test	Matrix(ces)	Test Method(s)
L. monocytogenes (LMO2)	Food, Feed, and Surfaces	AFNOR BIO 12/11 – 03/04
Salmonella (SLM)	Food, Feed, and Surfaces	AFNOR BIO 12/16 – 09/05
Detection of *Escherichia Coli* O157:H7	Food	VIDAS E. coli O157 (ECPT) Método VIDAS AFNOR N° BIO 12/25-05/09

Sampling and Field Measurement (*)

Test	Matrix	Test Method
Sampling for microbiological test in foods	Food	ITMu 03
Sampling for for microbiological test in environment	Environment	ITMu 08
Sampling for microbiological test in Handling hands	Handlers	ITMu 20
Sampling for microbiological test in Surfaces	Surfaces	ITMu 12 ITMu 21
Temperature	Food	ITMu 03

Accredited Laboratory

A2LA has accredited

EUROFINS TESTING CHILE S.A.

SANTIAGO, CHILE

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 19nd day of March 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4744.02
Valid to January 31, 2028

For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EUROFINS TESTING CHILE S.A.
Parque Antonio Rabat Sur 6165 Vitacura
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CHEMICAL

Valid to: January 31, 2028 Certificate Number: 4744.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on food, feed, pesticides, and veterinary drug residue:

Antioxidants by LC/UV-DAD

Parameter	Matrix	Method
BHA BHT Ethoxyquin TBHQ	Foods and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA28

Antioxidants by LC/FLD

Parameter	Matrix	Method
BHA BHT Ethoxyquin TBHQ	Vegetable and marine origin oils, fats, processed products of vegetable and fruit origin, fish meal, animal and poultry feed.	PTCA28

Amines by LC/UV-DAD

Parameter	Matrix	Method
Putrescine Cadaverine Histamine	Food, Fish, hydrobiological products, fish meal	PTCA 82

Gravimetric Tests

Parameter	Matrix	Method
Ash	Food Served ration, ready to eat meal	NCh842 PTQJ 08
Fat Matter	Food Served ration, ready to eat meal (Acid Hydrolysis) Served ration, ready to eat meal (Eter Extract)	NCh3547 PTQJ 06 PTQJ 05
Insoluble Matter	Salt	PTQA115

Parameter	Matrix	Method
Moisture	Food Fresh and processed hydrobiological products Rice Served ration, ready to eat meal	NCh841 NCh 2670 PTQJ 21 PTQJ 02 PTQJ03
Sulfate	Salt	PTQA114
Insoluble impurities	Crude, Refined, Semi-Refined, Acidified and Winterized Fish Oil	PTQSer 03
Total sugars	Food	PTQA 11
Crude fiber	Served ration, ready to eat meal, Animal feed, canned fruits and vegetables, milk and dairy products, meat and meat products, grains,flours.	PTQJ 07 PTQA 37
Total, Soluble and Insoluble dietary fiber	Soluble and insoluble dietary fiber Fruits and their by-products, vegetables and by-products, cereals and by-products, grains and by-products	PTQA 38
Grade	Rice	NCh 1359
Defects	Lentils Beans Chickpeas Rice	NCh 521 NCh 538 NCh 539 NCh 1359

Metals by Atomic Absorption Spectrophotometry – Flame

Parameter	Matrix	Method
Aluminum	Food and Feed	PTQT11
Cadmium	Fertilizer	PTQF20
Cadmium	Food, Foods and Feed include Animal, Marine Origin, and Processed Products, Oils, and Seafood (including fish meal and oil fish)	PTQT03
Cadmium	Liquid Milk	PTQLe01
Calcium	Fertilizer	PTQF07
Calcium	Food and Feed	PTQT05
Calcium	Wine	PTQV06
Chrome	Food, Foods and Feed of Animal, Marine Origin, and Processed Products: Fish, Fish Feed, Fish Meal, Fish Oils, and Seafood	PTQT18
Chrome	Meat and Processed Meat Products	PTQSG05
Cobalt	Fertilizer	PTQF06
Cobalt	Food and Feed	PTQT04
Cobalt	Wine	PTQV01
Copper	Fertilizer	PTQF06
Copper	Food and Feed	PTQT04
Copper	Meat and Processed Meat Products	PTQSG04
Copper	Wine	PTQV01
Iron	Fertilizer	PTQF06
Iron	Food and Feed	PTQT04

Metals by Atomic Absorption Spectrophotometry – Flame (Continued)

Parameter	Matrix	Method
Iron	Wine	PTQV01
Lead	Fertilizer	PTQF20
Lead	Food, Foods and Feed Include Animal, Marine Origin, and Processed Products, Oils, and Seafood (including fish meal and oil fish)	PTQT03
Lead	Liquid Milk	PTQLe01
Magnesium	Fertilizer	PTQF07
Magnesium	Food and Feed	PTQT05
Magnesium	Wine	PTQV06
Manganese	Fertilizer	PTQF06
Manganese	Food and Feed	PTQT04
Manganese	Wine	PTQV01
Molybdenum	Fertilizer	PTQF22
Molybdenum	Food and Feed	PTQT04
Nickel	Food and Feed	PTQT04
Potassium	Fertilizer	PTQF07
Potassium	Food and Feed	PTQT06
Potassium	Wine	PTQV07
Selenium	Food and Feed	PTQT08
Sodium	Fertilizer	PTQF07
Sodium	Food and Feed	PTQT22
Sodium	Food and Feed	PTQT06
Sodium	Wine	PTQV07
Tin	Canned Foods	PTQT09
Tin	Wine	PTQV05
Zinc	Fertilizer	PTQF06
Zinc	Food and Feed	PTQT04
Zinc	Wine	PTQV01

Metals by Atomic Absorption Spectrophotometry – Graphite Furnace

Parameter	Matrix	Method
Cadmium	Liquid Milk	PTQLe04
Cadmium	Meat and Processed Meat Products	PTQSG06
Cadmium	Vegetables and Vegetable Products, Fruit and Fruit Products, and Juice Concentrates	PTQT19
Cadmium	Wine	PTQV03
Lead	Liquid Milk	PTQLe04
Lead	Meat and Processed Meat Products	PTQSG06
Lead	Vegetables and Vegetable Products, Fruit and Fruit Products, and Juice Concentrates	PTQT19
Lead	Wine	PTQV03
Tin	Vegetables and Vegetable Products, Fruit and Fruit Products, and Juice Concentrates	PTQT19

Metals by Atomic Absorption Spectrophotometry – Hydride Generation

Parameter	Matrix	Method
Arsenic	Fertilizer	PTQF21
Arsenic	Food and Feed	PTQT12
Arsenic	Liquid Milk	PTQLe03
Arsenic	Meat and Processed Meat Products	PTQSG01
Arsenic	Wine	PTQV02
Mercury	Fertilizer	PTQF19
Mercury	Food and Feed	PTQT07
Mercury	Liquid Milk	PTQLe02
Mercury	Meat and Processed Meat Products	PTQSG02
Mercury	Wine	PTQV04
Mercury	Hydrobiological products	PTQSer14
Selenium	Food and Feed	PTQT08

Metals by ICP– MS

Parameter	Matrix	Method
Arsenic	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Juice, Fruits and Vegetables Pulps and Purees and Processed Products	PTQT23 Based on: Lab Methods FDA EAM 4.7 Official Methods of Analysis AOAC international. Method 2015.06
Cadmium		
Lead		
Mercury		

Mycotoxins by LC/FLD

Parameter	Matrix	Method
Aflatoxins (B1, B2, G1, G2)	Foods and Feed of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Spices, and Processed Products	PTCA14
Ochratoxin A	Foods of Plant Origin, Such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Spices, and Processed Products	

Pesticides

Parameter	Matrix	Method
Dithiocarbamates by GC/MS[1]	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Foods of Animal Origin, and Processed Products	PTCA02

Pesticides Residues QuEChERS by GC/MS GC/MS/MS LC/MS/MS[2]	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Foods and Feed of Animal Origin, and Processed Products Bivalve mollusks	PTCA01
Pesticides Residues QuEChERS by GC/MS GC/MS/MS LC/MS/MS[3]	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Wine	PTCA01
Pesticides (expressed as sum)[4]	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Foods and Feed of Animal Origin, and Processed Products	By calculation
Polar Pesticides QuPPe by LC/MS/MS[5]	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Food and Feed Waters	PTCA61

Sampling and Field Measurement (*)

Test	Matrix	Test Method
Sampling	Refrigerated and frozen chilled fish products	ITA 01
Temperature	Refrigerated and frozen chilled fish products	ITA 01
Sensory test (Uniformity of the pieces, Presence of ice, Color (Color of the back, Color of the belly), Signs of maturity, Scales Damages / Wounds, Belly opening, Eyes, Guts, Texture)	Refrigerated and frozen chilled fish products	ITA 01
Sampling for Served portion, Ready to eat meal	Food portion served, ready to eat meal	IT-DAE-SUP009
Sampling for product control; processed and packaged foods	Foods Sampling for product control; processed and packaged foods	IT-DAE-SUP011

Test	Matrix	Test Method
Determination of defects (damage) in the field: Fresh products	Fresh Products:	IT-DAE-SUP011:
	Fresh vegetables	PTMuJ 05
	Fruits	PTMuJ 04
	Potatoes	PTMuJ 02
	Beets	PTMuJ 06
	Eggs	PTMuJ 07
	Onion	PTMuJ 01
	Carrot	PTMuJ 03
	Tomatoes	PTMuJ 08
	Cauliflower	PTMuJ 09

Mycotoxins by LC/MSMS

Parameter	Matrix	Method
Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Aflatoxin M1	Food of plant origin such as fruits (including dried fruits), cereals and their derivatives, Food of animal origin such as milk and liver and their derivatives	PTCA 53
Deoxynivalenol Fumonisin B1 Fumonisin B2 Fumonisin B1+ B2 Ochratoxin A Patulin HT2 Toxin T2 Toxin Zearalenone	Foods of plant origin such as fruits (including dried fruits), cereals and their derivatives	

Spectrophotometric Tests

Parameter	Matrix	Method
Nitrate and Nitrite	Whole, Half Skim, and Skim Milks, Hard, Semi-Hard, Soft, Processed, and Whey Cheeses, Caseins and Caseinates, and Dehydrated Whey Cheese	NCh3044-1:2006
Nitrate	Salt	PTQA110
Nitrite	Salt	PTQA111

Veterinary Drug Residue by LC/DAD

Parameter	Matrix	Method
Nitrofuran: Furaltadone Furazolidone Nitrofurantoin Nitrofurazone	Waters	PTCA31

Veterinary Drug Residue by LC/MS/MS

Parameter	Matrix	Method
Amphenicols: Cloramphenicol Florfenicol Amine Florfenicol Thiamphenicol	Foods and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA03
Avermectins: Abamectin Doramectin Eprinomectin Ivermectine Moxidectin		
Benzimidazoles[6]		
Imidazolthiazoles: Levamisole		
Quinoxalines: Carbadox (QCA) Olaquindox (MQCA)		
Streptogramins: Virginiamicin S1		
β – Lactams[7]		
Coccidiostats [8]		
Derivatives of Resorcilyic Acid: Alpha zearalenol Beta zearalenol Taleranol (zearalanol beta) Zearalenone Zeranol (zearalanol alpha)		
Fluoroquinolones & Quinolones[9]		
Macrolides & Lincosamides: Erythromycin Lincomycin Pirlimycin Spiramycin Tylosin		
Salicylanilide: Closantel Rafoxanide		
Nitroimidazoles[10]		
Nonsteroidal Anti-Inflammatory (NSAIDs): Carprofen Flunixin Phenylbutazone		

Veterinary Drug Residue by LC/MS/MS *(cont.)*

Parameter	Matrix	Method
Steroidal Anti-Inflammatory (Corticoides): Dexamethasone Prednisolone	Foods and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA03
Steroids [11]		
Stilbenes: Dienestrol Diethyl Stilbestrol Hexestrol		
Sulfonamides & Trimethoprim[12]		
Tetracyclines & Epimers[13]		
Tranquilizers: Acepromazine Azaperol Azaperone Chlorpromazine Xilacina		
Triphenylmethane Dyes[14]		
β – Adrenergics[15]	Feather and Hair of Poultry and Animal Origin Foods and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA03
Derivatives of Resorcilyc Acid: Alpha zearalenol Beta zearalenol Taleranol (zearalanol beta) Zearalenone Zeranol (zearalanol alpha)	Urine	PTCA03
Steroids[11]		
Stilbenes: Dienestrol Diethyl Stilbestrol Hexestrol		
Nitroimidazoles[10]	Waters	PTCA03
Nitrofuran Metabolites: AHD AMOZ AOZ SEM	Foods and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA30
Aminoglycosides[16]	Foods and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA33
Antithyoroid[17]	Urine	PTCA34

Volumetric Tests

Parameter	Matrix	Method
Iodine	Salt	PTQA97
Protein Kjeldhal	Food and Feed Products containing Protein Nitrogen	NCh3551:2018
Sodium Chloride	Salt	PTQA29
Total Basic Volatile Nitrogen	Hydrobiological Products	NCh2668: 2018
Free acidity	Crude, semi-refined, refined, winterized and acidified fish oil, fishery products in oil	PTQSer 01
Chloride	Dried, dried salted and salted hydrobiological products. Hydro-biological products in general, except dried, dried, salted and salted hydro-biological products	NCh 2739/2 NCh 2739/1
Peroxide value	Crude, semi-refined, refined, winterized and acidified fish oil, edible oil from the packaging medium of canned hydrobiological products, Fat products and oil	NCh 2758 PTQA 59
Acidity	Concentrates, tomato sauce, fruits and vegetables, juices, vinegars, jellies, preserves, jams and derivatives, Oils, Noodles, and pasta	PTQA 07 PTQA 13 PTQJ11 Based on NCh1379
Casein	Milk powder	PTQJ 14,
Protein	Served portion, ready to eat meal	PTQJ 04
Sulfites	Canned fresh and dehydrated fruit	PTQA 22

Dumas Tests

Parameter	Matrix	Method
Protein	Powdered milks and derivatives Cereals and their processed products, Farinaceous and derivatives. Tea, coffee and derivatives. Sugar and sugar products. Spices and condiments. Dehydrated fruits Dehydrated soups Animal feed	PTQA 113, NCh 2748
Protein	Served ration, ready to eat meal	PTQJ 58

Dew point Method

Parameter	Matrix	Method
Water Activity	Solid foods in general and solid foods with low volatility, including bakery products, dried and dehydrated fruits, cereals, legumes, meat and meat products, tomato paste and concentrates.	PTFS 020

Sugar profile by LC/IR

Parameter	Matrix	Method
Sugars: Fructose Galactose Glucose Lactose Maltose Sucrose	Foods of animal and vegetable origin such as milk, vegetables, beverages, juices, cereals, fruits (including dried fruit), confectionery products	PTCA 54

Refractometric Method

Parameter	Matrix	Method
Soluble solids	Jams, fruits and tomato sauces	PTQA87 based on NCh 1456

Preservatives in food by LC-UV-DAD

Parameter	Matrix	Method
Potassium sorbate	Food of animal, plants and marine origin and processed products	PTCA 16
Sodium benzoate		

Nutritional by GC/FID

Parameter	Matrix	Method
Fat acid profile [18] Saturated fatty acids Monounsaturated fatty acids Polyunsaturated fatty acids Trans fatty acids	Food, fats and oils of animal, plants and marine origin and processed products (including milk and dairy products)	PTCA 10
Cholesterol	Food, fats and oils of animal, plants and marine origin and processed products	PTCA 11

[1] The following pesticides are tested using the method identified:

N°	Pesticide	N°	Pesticide	N°	Pesticide
1	Mancozeb	2	Ferbam	3	Maneb
4	Metiran	5	Propineb	6	Thiram
7	Zineb	8	Ziram		

[2] The following pesticide residues are tested using the method identified:

#	Pesticide	#	Pesticide	#	Pesticide
1	1-Naphthol	182	Edifenphos	363	Nitenpyram
2	2,4,5-T	183	Emamectin, benzoate	364	Nitralin
3	2,4,6-Tribromophenol	184	Endosulfan, alpha	365	Nitrapyrin
4	2,4,6-Trichlorophenol	185	Endosulfan, beta	366	Nitrofen
5	2,4-D	186	Endosulfan-sulphate	367	Nitrothal-isopropyl
6	2,4-DB	187	Endrin	368	Norflurazon
7	2-Phenylphenol	188	EPN	369	Novaluron
8	3,5-Dichloroaniline	189	Epoxyconazole	370	Nuarimol
9	3-Hydroxycarbofuran	190	EPTC	371	Ofurace
10	3-ketocarbofuran	191	Esfenvalerate	372	Omethoate
11	4-CPA	192	Etaconazole	373	Oryzalin
12	6-Benzyladenine	193	Ethiofencarb	374	Oxadiargyl
13	Abamectin	194	Ethion	375	Oxadiazon
14	Acephate	195	Ethiprole	376	Oxadixyl
15	Acequinocyl	196	Ethirimol	377	Oxamyl
16	Acetamiprid	197	Ethofenprox	378	Oxychlordane
17	Acetochlor	198	Ethofumesate	379	Oxydemeton-methyl
18	Acibenzolar-S-methyl	199	Ethoprophos	380	Oxyfluorfen
19	Aclonifen	200	Ethoxyquin	381	Paclobutrazol
20	Acrinathrin	201	Etoxazole	382	Paraoxon-ethyl
21	Alachlor	202	Etridiazole	383	Paraoxon-methyl
22	Aldicarb	203	Etrimfos	384	Parathion-ethyl
23	Aldicarb-sulfone	204	Famoxadone	385	Parathion-methyl
24	Aldicarb-sulfoxide	205	Femphur (Famophos)	386	PCB 101
25	Aldrin	206	Fenamidone	387	PCB 118
26	Allethrin	207	Fenamiphos	388	PCB 138
27	Ametoctradin	208	Fenarimol	389	PCB 153
28	Ametryne	209	Fenazaquin	390	PCB 180
29	Aminocarb	210	Fenbuconazole	391	PCB 28
30	Amitraz	211	Fenbutatin oxide	392	PCB 52
31	Atrazine	212	Fenchlorphos	393	Pebulate
32	Azaconazole	213	Fenfluthrin	394	Penconazole
33	Azadirachtin	214	Fenhexamid	395	Pencycuron
34	Azamethiphos	215	Fenitrothion	396	Pendimethalin
35	Azinphos-ethyl	216	Fenobucarb	397	Penoxsulam
36	Azinphos-methyl	217	Fenoprop	398	Pentachloroaniline
37	Azocyclotin	218	Fenoxycarb	399	Pentachloroanisole
38	Azoxystrobin	219	Fenpiclonil	400	Pentachlorophenol
39	BAC-C10	220	Fenpropathrin	401	Penthiopyrad
40	BAC-C12	221	Fenpropidin	402	Permethrin
41	BAC-C14	222	Fenpropimorph	403	Perthane

#	Pesticide	#	Pesticide	#	Pesticide
42	BAC-C16	223	Fenpyrazamine	404	Phenmedipham
43	BEC (Benzethonium Chloride)	224	Fenpyroximate	405	Phenothrin
44	Benalaxyl	225	Fenson	406	Phenthoate
45	Bendiocarb	226	Fensulfothion	407	Phorate
46	Benfluralin	227	Fenthion	408	Phosalone
47	Benfuracarb	228	Fentin-acetate	409	Phosmet
48	Bentazone	229	Fenvalerate	410	Phosphamidon
49	Benthiocarb	230	Fipronil	411	Phoxim
50	Bifenazate	231	Flazasulfuron	412	Phthalimide
51	Bifenox	232	Flocoumafen	413	Picolinafen
52	Bifenthrin	233	Flonicamid	414	Picoxistrobin
53	Biphenyl	234	Fluazifop-butyl	415	Pinoxaden
54	Bitertanol	235	Fluazinam	416	Piperonyl butoxide
55	Bixafen	236	Flubendiamide	417	Pirimicarb
56	Boscalid	237	Fluchloralin	418	Pirimiphos-ethyl
57	Brodifacoum	238	Flucythrinate	419	Pirimiphos-methyl
58	Bromacil	239	Fludioxonil	420	Prochloraz
59	Bromadiolone	240	Flufenacet	421	Procymidone
60	Bromocyclen	241	Flufenoxuron	422	Profenofos
61	Bromophos-ethyl	242	Flumetralin	423	Profluralin
62	Bromophos-methyl	243	Flumioxazin	424	Promecarb
63	Bromopropylate	244	Fluometuron	425	Prometon
64	Bromoxynil	245	Fluopicolide	426	Prometryn
65	Bromuconazole	246	Fluopyram	427	Propachlor
66	Bupirimate	247	Fluoxastrobin	428	Propamocarb
67	Buprofezin	248	Flupyradifurone	429	Propanil
68	Butafenacil	249	Fluquinconazole	430	Propaquizafop
69	Butocarboxim Sulfoxide	250	Fluridone	431	Propargite
70	Cadusafos	251	Fluroxypyr	432	Propazine
71	Captafol	252	Fluroxypyr-methylheptyl ester	433	Propetamphos
72	Captan	253	Flurprimidol	434	Propham
73	Carbaryl	254	Flurtamone	435	Propiconazole
74	Carbendazim	255	Flusilazole	436	Propoxur
75	Carbofuran	256	Fluthiacet-methyl	437	Propyzamide
76	Carbophenothion	257	Flutolanil	438	Proquinazid
77	Carbosulfan	258	Flutriafol	439	Prosulfocarb
78	Carboxin	259	Fluxapyroxad	440	Prothioconazole
79	Carfentrazone-ethyl	260	Folpet	441	Prothiofos
80	Chlorantraniliprole	261	Fomesafen	442	Pydiflumetofen

#	Pesticide	#	Pesticide	#	Pesticide
81	Chlordane, cis	262	Fonofos	443	Pymetrozine
82	Chlordane, trans	263	Forchlorfenuron	444	Pyraclostrobin
83	Chlordecone	264	Formetanate	445	Pyraflufen-ethyl
84	Chlordene	265	Formothion	446	Pyraziflumid
85	Chlorfenapyr	266	Fosthiazate	447	Pyrazophos
86	Chlorfenson	267	Fuberidazole	448	Pyridaben
87	Chlorfenvinphos	268	Furalaxyl	449	Pyridalyl
88	Chlorfluazuron	269	Furathiocarb	450	Pyridaphenthion
89	Chloridazon	270	Gibberellic acid	451	Pyridate
90	Chlorobenzilate	271	Haloxyfop	452	Pyrifenox
91	Chloroneb	272	Haloxyfop-Ethoxyethyl	453	Pyrimethanil
92	Chlorothalonil	273	Haloxyfop-methylester	454	Pyriofenone
93	Chloroxuron	274	HCH, alpha	455	Pyriproxyfen
94	Chlorpropham	275	HCH, beta	456	Pyroxsulam
95	Chlorpyrifos-ethyl	276	HCH, delta	457	Quinalphos
96	Chlorpyrifos-methyl	277	HCH, gamma- (Lindane)	458	Quinclorac
97	Chlorthal-dimethyl	278	Heptachlor	459	Quinmerac
98	Chlorthion	279	Heptachlor epoxide, cis	460	Quinomethionate
99	Chlorthiophos	280	Heptachlor epoxide, trans	461	Quinoxyfen
100	Chlortoluron	281	Heptenophos	462	Quintozene
101	Chlozolinate	282	Hexachlorobenzene (HCB)	463	Quizalofop ethyl
102	Clethodim	283	Hexaconazole	464	Rimsulfuron
103	Climbazole	284	Hexaflumuron	465	Rotenone
104	Clodinafop-propargyl	285	Hexazinone	466	S 421
105	Clofentezine	286	Hexythiazox	467	Sebuthylazine
106	Clomazone	287	Imazalil	468	Secbumeton
107	Clopyralid	288	Imazamox	469	Sethoxydim
108	Cloquintocet-mexyl	289	Imazapyr	470	Silafluofen
109	Clothianidin	290	Imazaquin	471	Silthiofam
110	Coumaphos	291	Imazethapyr	472	Simazine
111	Crimidine	292	Imidacloprid	473	Spinetoram
112	Cyanazine	293	Indaziflam	474	Spinosad
113	Cyanofenphos	294	Indoxacarb	475	Spirodiclofen
114	Cyanophos	295	Iodosulfuron-methyl Sodium	476	Spiromesifen
115	Cyantraniliprole	296	Ioxynil	477	Spiromesifen enol
116	Cyazofamid	297	Iprobenfos	478	Spirotetramat
117	Cycloate	298	Iprodione	479	Spirotetramat-enol
118	Cycloxydim	299	Iprovalicarb	480	Spiroxamine
119	Cyflufenamid	300	Isazophos	481	Sulfentrazone
120	Cyfluthrin	301	Isocarbofos	482	Sulfotep
121	Cyhalothrin, lambda	302	Isodrin	483	Sulfoxaflor

#	Pesticide	#	Pesticide	#	Pesticide
122	Cyhexatin	303	Isofenphos	484	tau-Fluvalinate
123	Cymoxanil	304	Isofenphos-methyl	485	Tebuconazole
124	Cypermethrin	305	Isofetamid	486	Tebufenozide
125	Cyphenothrin	306	Isoprocarb	487	Tebufenpyrad
126	Cyproconazole	307	Isoproturon	488	Tecnazene
127	Cyprodinil	308	Isopyrazam	489	Teflubenzuron
128	Cyromazine	309	Isoxaben	490	Tefluthrin
129	Daminozide	310	Isoxaflutole	491	Tepraloxydim
130	Dazomet	311	Isoxathion	492	Terbacil
131	DDAB	312	Kresoxim-methyl	493	Terbufos
132	DDAC-C10	313	Lenacil	494	Terbumeton
133	DDD, o,p	314	Leptophos	495	Terbuthylazine
134	DDD, p,p	315	Linuron	496	Terbutryn
135	DDE, o,p	316	Lufenuron	497	Tetrachlorvinphos
136	DDE, p,p	317	Malaoxon	498	Tetraconazole
137	DDT, o,p	318	Malathion	499	Tetradifon
138	DDT, p,p	319	Mandestrobin	500	Tetrahydrophthalimide (THPI)
139	Deltamethrin	320	Mandipropamid	501	Tetramethrin
140	Demeton	321	MCPA	502	Tetrasul
141	Demeton-S-methyl	322	Mecarbam	503	TFNA
142	Desmedipham	323	Mefenpyr-diethyl	504	TFNA-AM
143	Desmethyl-formamido-pirimicarb	324	Mefentrifluconazole	505	TFNG
144	Desmetryn	325	Mepanipyrim	506	Thiabendazole
145	Diafenthiuron	326	Mepronil	507	Thiacloprid
146	Diazinon	327	Meptyldinocap	508	Thiamethoxam
147	Dicamba	328	Mesotrione	509	Thidiazuron
148	Dichlobenil	329	Metaflumizone	510	Thiocyclam
149	Dichlofenthion	330	Metalaxyl	511	Thiodicarb
150	Dichlofluanid	331	Metaldehyde	512	Thiofanox
151	Dichlormid	332	Metamitron	513	Thiofanox Sulfoxide
152	Dichlorprop	333	Metazachlor	514	Thiophanate-methyl
153	Dichlorvos	334	Metconazole	515	Tolclofos-methyl
154	Diclobutrazol	335	Methabenzthiazuron	516	Tolylfluanid
155	Dicloran	336	Methacrifos	517	Toxaphene
156	Dicofol	337	Methamidophos	518	Tralkoxydim
157	Dicrotophos	338	Methidathion	519	Transfluthrin
158	Dieldrin	339	Methiocarb	520	Triadimefon
159	Diethofencarb	340	Methiocarb-sulfoxide	521	Triadimenol
160	Diethyltoluamide (DEET)	341	Methomyl	522	Triallate
161	Difenoconazole	342	Methoprotryne	523	Triasulfuron

#	Pesticide	#	Pesticide	#	Pesticide
162	Diflubenzuron	343	Methoxychlor	524	Triazophos
163	Diflufenican	344	Methoxyfenozide	525	Trichlorfon
164	Dimethenamid-P	345	Metobromuron	526	Trichloronate
165	Dimethoate	346	Metolachlor	527	Triclopyr
166	Dimethomorph	347	Metolcarb	528	Tricosene (muscalure)
167	Dimoxystrobin	348	Metoxuron	529	Tricyclazole
168	Diniconazole	349	Metrafenone	530	Tridemorph
169	Dinocap	350	Metribuzin	531	Trifloxystrobin
170	Dinoseb	351	Mevinphos	532	Triflumizole
171	Dinotefuran	352	Milbemectin A3	533	Triflumizole Amino (FM-6-1)
172	Diphenamid	353	Milbemectin A4	534	Triflumuron
173	Diphenylamine	354	Mirex	535	Trifluralin
174	Dipropetryn	355	Molinate	536	Triflusulfuron-methyl
175	Disulfoton	356	Monocrotophos	537	Triforine
176	Disulfoton-sulfone	357	Monolinuron	538	Trinexapac-ethyl
177	Disulfoton-sulfoxide	358	Myclobutanil	539	Triticonazole
178	Dithianon	359	Naled	540	Uniconazole
179	Diuron	360	Napropamide	541	Vamidothion
180	Dodemorf	361	Neburon	542	Vinclozolin
181	Dodine	362	Nicosulfuron	543	Zoxamide

[3] The following pesticide residues are tested using the method identified:

#	Pesticide	#	Pesticide	#	Pesticide
1	Amicarbazone	13	Difenoxuron	24	Iodofenphos
2	Benodanil	14	Dimefuron	25	Ipconazole
3	Butocarboxim	15	Dimethachlor	26	Isopropalin
4	Butoxycarboxim	16	Dioxacarb	27	Isoprothiolane
5	Buturon	17	Dioxathion	28	MCPB
6	Butylate	18	Fenamiphos-Sulfone	29	Metsulfuron-methyl
7	Chlorbufam	19	Fenamiphos-Sulfoxide	30	Monuron
8	Chlordimeform	20	Fenuron	31	Pentachlorobenzene
9	Cyflumetofen	21	Fipronil-sulfone	32	Phosmet-oxon
10	Dialifos	22	Flamprop-methyl	33	Piperophos
11	Diallate	23	Flurochloridone	34	Propisochlor
12	Dichlorprop-Methyl Ester				

[4] The following pesticides are expressed as sum (direct)

Expressed as sum	Pesticides
Aldicarb (sum)	Aldicarb
	Aldicarb-sulfone
	Aldicarb-sulfoxide
Aldrin / Dieldrin (sum)	Aldrin

Expressed as sum	Pesticides
	Dieldrin
Captan (sum)	Captan
	Tetrahydrophthalimide (THPI)
Carbendazim/Benomyl (sum)	Carbendazim
Carbendazim/Benomyl/Thiophanate-methyl (sum)	Carbendazim
	Thiophanate-methyl
Carbofuran (sum)	Carbofuran
	Carbosulfan
	Benfuracarb
	Furathiocarb
	Carbofuran, 3-Hydroxy
Chlordane (sum)	Chlordane, cis
	Chlordane, trans
Cyhexatin (sum)	Cyhexatin
	Azocyclotin
DDT (sum)	DDD, p,p
	DDE, p,p
	DDT, o,p
	DDT, p,p
Dimethoate / Omethoate (sum)	Dimethoate
	Omethoate
Disulfoton (sum)	Disulfoton
	Disulfoton-sulfone
	Disulfoton-sulfoxide
Endosulfan (sum)	Endosulfan, alpha
	Endosulfan, beta
	Endosulfan-sulphate
Fenamiphos (sum)	Fenamiphos
	Fenamiphos-Sulfone
	Fenamiphos-Sulfoxide
Fenvalerate (sum)	Esfenvalerate
	Fenvalerate
Fipronil (sum)	Fipronil
	Fipronil-Sulfone
Flonicamid (sum)	Flonicamid
	TFNA
	TFNG
Fluroxypyr (sum)	Fluroxypyr
	Fluroxypyr-methylheptyl ester

Expressed as sum	Pesticides
Haloxyfop (sum)	Haloxyfop
	Haloxyfop-Ethoxyethyl
	Haloxyfop-methylester
HCH (sum) (without lindane)	HCH, alpha
	HCH, beta
	HCH, delta
Heptachlor (sum)	Heptachlor
	Heptachlor epoxide, cis
	Heptachlor epoxide, trans
Malathion (sum)	Malaoxon
	Malathion
Methomyl (sum)	Methomyl
	Thiodicarb
Milbectin (sum)	Milbemectin A3
	Milbemectin A4
Parathion ethyl (sum)	Parathion Ethyl
	Paraoxon ethyl
Parathion methyl (sum)	Parathion methyl
	Paraoxon methyl
Spiromesifen (sum)	Spiromesifen
	Spiromesifen enol
Spirotetramat (sum)	Spirotetramat
	Spirotetramat-enol
Thiamethoxam (sum)	Thiamethoxam
	Clothianidin
Triadimenol / Triadimefon (sum)	Triadimefon
	Triadimenol
Triflumizol (sum)	Triflumizole
	Triflumizole Amino
Folpet (sum)	Folpet
	Phthalimide
Quintozene (sum)	Quintozene
	Pentachloroaniline

[5] The following polar pesticides are tested using the method identified:

N°	Pesticide	N°	Pesticide	N°	Pesticide
1	AMPA	2	Chlorate	3	Chlormequat
4	Diquat	5	Ethephon	6	Fosetyl- Al
7	Glufosinate	8	Glyphosate	9	Maleic Hydrazide
10	Mepiquat	11	Morpholine	12	Paraquat
13	Perchlorate	14	Phosphonic acid		

[6] The following Benzimidazoles are tested using the method identified:

N°	Analyte	N°	Analyte	N°	Analyte
1	5 Hydroxy thiabendazole	2	Albendazole	3	Albendazole sulfone
4	Albendazole sulfoxide	5	Albendazole-2-aminosulfone	6	Fenbendazole
7	Flubendazole	8	Ketotriclabendazole	9	Mebendazole
10	Oxfendazole	11	Oxfendazole sulfone (fenbendazole sulfone)	12	Oxibendazole
13	Thiabendazole	14	Triclabendazole sulfoxide	15	Triclabendazole
16	Triclabendazole sulfone				

[7] The following β – Lactams are tested using the method identified:

N°	Analyte	N°	Analyte	N°	Analyte
1	Amoxicillin	2	Ampicillin	3	Benzylpenicillin (Penicillin G)
4	Cefalexin	5	Cefapirin	6	Cefquinome
7	Ceftiofur	8	Cloxacillin	9	Phenoxymethylpenicillin (penicillin V)
10	Nafcillin				

[8] The following Coccidiostats are tested using the method identified:

N°	Analyte	N°	Analyte	N°	Analyte
1	Amprolium	2	Diclazuril	3	Ethopabate
4	Lasalocid	5	Monensin	6	Narasin
7	Nicarbazine	8	Salinomycin		

[9] The following Fluoroquinolones & Quinolones are tested using the method identified:

N°	Analyte	N°	Analyte	N°	Analyte
1	Ciprofloxacin	2	Danofloxacin	3	Enrofloxacin
4	Flumequine	5	Norfloxacin	6	Oxolinic Acid
7	Sarafloxacin				

[10] The following Nitroimidazoles are tested using the method identified:

N°	Analyte	N°	Analyte	N°	Analyte
1	Dimetridazole	2	HMMNI (Dimetridazole OH)	3	Ipronidazole
4	Ipronidazole OH	5	Metronidazole	6	Metronidazole OH
7	Ronidazole				

[11] The following Steroids are tested using the method identified:

N°	Analyte	N°	Analyte	N°	Analyte
1	17-alpha-Trembolone	2	Boldenone	3	Methyltestosterone
4	Nandrolone	5	Nandrolone (Epi-nandrolone)	6	Stanozolol

[12] The following Sulfonamides & Trimethoprim are tested using the method identified:

N°	**Analyte**	**N°**	**Analyte**	**N°**	**Analyte**
1	Sulfachinoxalin	2	Sulfacetamide	3	Sulfachlorpyridazine
4	Sulfadiazine	5	Sulfadimethoxine	6	Sulfadoxin
7	Sulfamerazine	8	Sulfamethazine	9	Sulfamethoxazole
10	Sulfamethoxypyridazine	11	Sulfapyridine	12	Sulfathiazole
13	Trimethoprim				

[13] The following Tetracyclines & Epimers are tested using the method identified:

N°	**Analyte**	**N°**	**Analyte**	**N°**	**Analyte**
1	Chlortetracycline	2	4-epi-chlortetracycline	3	Doxycycline
4	Oxytetracycline	5	4-epi-oxytetracycline	6	Tetracycline
7	4-epi-tetracycline				

[14] The following Triphenylmethane Dyes are tested using the method identified:

N°	**Analyte**	**N°**	**Analyte**	**N°**	**Analyte**
1	Brilliant green	2	Crystal Violet	3	Leuco Crystal Violet
4	Leucomalachite green	5	Malachite green	6	Basic Blue

[15] The following β – Adrenergics are tested using the method identified:

N°	**Analyte**	**N°**	**Analyte**	**N°**	**Analyte**
1	Cimaterol	2	Clenbuterol	3	Mabuterol
4	Mapenterol	5	Ractopamine	6	Salbutamol
7	Terbutaline	8	Zilpaterol		

[16] The following Aminoglycosides are tested using the method identified:

N°	**Analyte**	**N°**	**Analyte**	**N°**	**Analyte**
1	Dihydrostreptomycin	2	Gentamicin	3	Kanamycin
4	Neomycin	5	Spectinomectin	6	Streptomycin

[17] The following Antithyoroid are tested using the method identified:

N°	**Analyte**	**N°**	**Analyte**	**N°**	**Analyte**
1	Dimethylthiouracil	2	Etiltiouracilo	3	Phenylthiouracil,
4	Methylthiouracil	5	Propylthiouracil	6	Tapazole (methimazole)
7	Thiouracil				

[18] The following Fat acid are tested using the method identified:

Compound name
Saturated Fatty Acids: C4:0, C6:0, C8:0, C10:0, C11:0, C12:0, C13:0, C14:0, C15:0, C16:0, C17:0, C18:0, C20:0, C21:0, C22:0, C23:0, C24:0

Monounsaturated Fatty Acids: C14:1, C15:1, C16:1, C17:1, C18:1, C20:1, C22:1, C24:1
Polyunsaturated fatty acids; C18:2, C18:3, C18:3w3, C18:3w6, C20:2, C20:3, C20:3w3, C20:3w6, C20:4w6, C20:5w3, C22:2, C22:4, C22:5 w 3, C22:5w 6, C22:6w 3
Trans fatty acids; C14:1 T, C15:1 T, C16:1 T, C17:1 T, C18:1 ∑ T, C18:2 ∑ T, C18:3 ∑T, C19:1 ∑T, C22:1 T

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This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 19th day of March 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4744.01
Valid to January 31, 2028

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.