



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GESTIÓN DE CALIDAD Y LABORATORIO S.A. –EUROFINS GCL
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CHEMICAL

Valid to: January 31, 2020

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

<u>Test(s)</u>	<u>Matrix</u>	<u>Method</u>
BHA BHT Ethoxyquin TBHQ	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 28

Gravimetric Tests

<u>Parameter</u>	<u>Matrix</u>	<u>Method</u>
Ash	Food	NCh842 Of 2018
Insoluble Matter	Salt	PTQA115
Moisture	Food	NCh841 of 2018
Sulfate	Salt	PTQA114

Metals by Atomic Absorption Spectrophotometry - Flame

<u>Parameter</u>	<u>Matrix</u>	<u>Method</u>
Aluminum	Food and Feed	PTQT11
Cadmium	Fertilizer	PTQF20
Cadmium	Food and Feed	PTQT03
Cadmium	Liquid Milk	PTQLe01
Calcium	Fertilizer	PTQF07
Calcium	Food and Feed	PTQT05
Calcium	Wine	PTQV06
Chrome	Meat and Processed Meat Products	PTQSG05

Metals by Atomic Absorption Spectrophotometry – Flame (cont.)

<u>Parameter</u>	<u>Matrix</u>	<u>Method</u>
Parameter	Matrix	Method
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
Iron	Wine	PTQV01
Lead	Fertilizer	PTQF20
Lead	Food and Feed	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
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	TTQT04
Zinc	Wine	PTQV01

Metals by Atomic Absorption Spectrophotometry - Graphite Furnace

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

Metals by Atomic Absorption Spectrophotometry - Hydride Generation

<u>Parameter</u>	<u>Matrix</u>	<u>Method</u>
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

Mycotoxins by LC/FLD

<u>Test</u>	<u>Matrix</u>	<u>Method</u>
Aflatoxins (B1, B2, G1, G2)	Food and Feed of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Spices, and Processed Products	PTCA 14
Ochratoxin A	Foods of Plant Origin, Such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Spices, and Processed Products	

Pesticides

<u>Test</u>	<u>Matrix</u>	<u>Method</u>
Dithiocarbamates by GC/MS	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Foods of Animal Origin, and Processed Products	PTCA 02

Pesticides (cont.)

<u>Test</u>	<u>Matrix</u>	<u>Method</u>
Pesticides Residues QuEChERS by GC/MS GC/MS/MS LC/MS/MS	Foods of Plant Origin, such as Fruit (Including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Foods of Animal Origin, and Processed Products	PTCA 01
Polar Pesticides QuPPE by LC/MS/MS	Foods of Plant Origin, such as Fruit (including Dried Fruit), Vegetables, Cereals, Wine, Juice, and Processed Products Food and Feed Waters	PTCA 61

Spectrophotometric tests

<u>Parameter</u>	<u>Matrix</u>	<u>Method</u>
Nitrate and Nitrite	Whole, Half Skim, and Skim Milks, Hard, Semi-Hard, Soft, Processed, and Whey Cheeses, Caseins and Caseinates, and Dehydrated Whey Cheese	NCh 3044/1-2006
Nitrate	Salt	PTQA110
Nitrite	Salt	PTQA 111

Veterinary drug residue by LC/DAD

<u>Test</u>	<u>Matrix</u>	<u>Method</u>
Nitrofurans	Waters	PTCA 31
Tetracyclines & Epimers	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 68

Veterinary drug residue by LC/MS/MS

<u>Test</u>	<u>Matrix</u>	<u>Method</u>
Aminoglycosides	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 33
Amphenicols		PTCA 03
Avermectins		
Benzimidazoles		
Imidazolthiazoles		
Quinoxalines		
Streptogramins	Urine	PTCA 34
β – Adrenergics	Feather and Hair of Poultry, and Animal Origin Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 03

Veterinary drug residue by LC/MS/MS (cont.)

<u>Test</u>	<u>Matrix</u>	<u>Method</u>	
β – Lactams	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 03	
Cephalosporin			
Coccidiostats			
Derivatives of Resorcilyc Acid			
Fluoroquinolones & Quinolones			
Macrolides & Lincosamides			
Salicylanilide			
Derivatives of Resorcilyc Acid			Urine
Steroids			
Stilbenes			
Nitrofurans Metabolites	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 30	
Nitroimidazoles	Waters	PTCA 03	
Nitroimidazoles	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products		
Nonsteroidal Anti-Inflammatory (NSAIDs)			
Steroidal Anti-Inflammatory (corticoides)			
Steroids			
Sulfonamides & Trimethoprim	Food and Feed of Animal, Poultry, and Marine Origin, and Processed Products	PTCA 03	
Tetracyclines & Epimers			
Tranquilizers			
Triphenylmethane Dyes			

Volumetric tests

<u>Parameter</u>	<u>Matrix</u>	<u>Method</u>
Total Basic Volatile Nitrogen	Hydrobiological Products	NCh 2668 Of 2018



Accredited Laboratory

A2LA has accredited

GESTIÓN DE CALIDAD Y LABORATORIO S.A.

SANTIAGO, CHILE

for technical competence in the field of

Chemical 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 9th day of January 2018.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4744.01
Valid to January 31, 2020
Revised February 01, 2019

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