



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

QLF LABS SpA - Santiago
Avenida Colombia N°10413, La Florida, Región Metropolitana
Santiago, Chile

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 29 November 2027

Certificate Number: AT-3388



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

QLF LABS SpA - Santiago

Avenida Colombia N°10413, La Florida, Región Metropolitana
Santiago, Chile

Carolina Doren Roig +56-995139192
cdoren@qlflabs.com

Gladys Varela Sanchez +56-944479050
gvarela@qlflabs.com

TESTING

ISO/IEC 17025 Accreditation Granted: **10 November 2025**

Certificate Number: **AT-3388** Certificate Expiry Date: **29 November 2027**

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Cronobacter spp.</i> and <i>C. sakazaki</i>	MQM-066 ISO 22964	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers	Agar plate
Allergen <ul style="list-style-type: none"> • Egg • Mustard • Sesame • Coconut • Peanut • Milk • Soy milk • Soy • Crustaceans 	MQV-018	Food products	Lateral flow device (LFD)

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Enterobacteriaceae</i>	MQM-076 ISO 21528-1	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers	Agar plate
<i>Escherichia coli</i>	MQM-071 ISO 7251	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers	MPN
Gluten Allergen	MQV-016	Food products	Lateral flow device (LFD)
<i>L. monocytogenes</i> and <i>Listeria</i> spp.	MQM-079 ISO 11290/1	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Flour, Animal Products, Feed, Hydrobiological Products, Fish and Crustaceans, Chilled and Refrigerated live Fish Products, and Processed and chilled Fish Products. Hands, Surfaces, and Utensils	Agar plate
<i>L. monocytogenes</i>	MQM-031 Based on NCh 2657	Hands, Surfaces, and Utensils	Agar plate
<i>Listeria monocytogenes</i>	MQM-003 NCh 2657	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Flour, Animal Products, and Feed	Agar plate
<i>Listeria</i> spp.	MQM-047 Based on NCh 2657	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	Agar plate

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Mesophiles, Thermophiles, Aerobes, and Anaerobes	MQM-005 NCh 2731	Food, Canned Food, Fruits, Vegetables, Juices, Wines, Fat, Flour, Animal Products, and Feed	Commercial sterility
<i>Salmonella</i>	MQM-006 NCh 2675	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meal, Eggs, Fat, Flour, Animal Products, and Feed	Agar plate
<i>Salmonella</i>	MQM-007 ISO 6579	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meals, Eggs, Fat, Flour, Animal Products, Feed, Hydrobiological Products, fish and crustaceans, chilled and refrigerated live fish products, and processed and chilled fish products.	Agar plate
<i>Salmonella</i>	MQM-033 Based on NCh 2675	Handlers, Surfaces, and Utensils	Agar plate
<i>Shigella</i> spp.	MQM-082 ISO 21567	Food, Fruits, Vegetables, Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, Feed Additives, Meal of Animal Origin and Pellets (Animal Feed), Surfaces, Utensils, Handlers, Hydrobiological Products, and Fishery Products in General	Agar plate
<i>Staphylococcus aureus</i>	MQM-062 ISO 6888-3:2003 GOST 31746-2012	Hydrobiological Products and Fishery Products in General	MPN
<i>Staphylococcus aureus</i>	MQM-042 Based on NCh 2671	Handlers, Surfaces, and Utensils	Agar plate
Total Coliforms	MQM-060 GOST R 52816-2007	Hydrobiological Products and Fishery Products in General	Agar plate

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Total Coliforms	MQM-074 NCh-ISO 4831	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers	MPN
<i>Vibrio parahaemolyticus</i>	MQM-067 ISO 21872-1	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, Handlers, Hydrobiological Products, and Fishery Products in General	Agar plate
Allergen <ul style="list-style-type: none"> • Walnut • Pecan • Almond • Pistachio • Hazelnut 	MQV-017	Environmental Surfaces and Rinsing Water	Lateral flow device (LFD)
Enumeration – Plate Count			
Aerobic Mesophiles (35°C)	MQM-021 NCh 2659	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Prepared Meal, Sugar, Eggs, Flour, Animal Products, and Feed	Agar plate
Aerobic Mesophiles (30°C)	MQM-075 ISO 4833-1	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils and Handlers – Plate Count – UFC	Agar plate
Acid Lactic Bacteria	MQM-045 ISO 15214	Food, and Feed	Agar plate

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Aerobic Mesophiles (30°C)	MQM-075 ISO 4833-1	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers – Plate Count – UFC	Agar plate
Aerobic Mesophiles (35°C)	MQM-039 Standard Methods for the Examination of Dairy Products Free Sedimentation	Free Sedimentation and Environments	Agar plate
Aerobic Mesophiles (35°C)	MQM-040 Based on NCh 2659	Hands, Surfaces, and Utensils	Agar plate
Aerobic Mesophiles (35°C)	MQM-030 Based on NCh 2659	Qualification in Ambiances, Surfaces, and Utensils	Agar plate
Aerobic Mesophiles	MQM-063 GOST 10444.15-94	Hydrobiological Products and Fishery Products in General.	Agar plate
<i>Bacillus cereus</i>	MQM-010 BAM Ch. 14	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meal, Fat, Flour, Animal Products, and Feed	Agar plate
<i>Clostridium perfringens</i> and Sulfite-Reducing Anaerobes	MQM-011 BAM Ch. 16 NCh 2730	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Flour, Animal Products, and Feed	Agar plate
Cultivable Microorganisms (22°C)	MQM-068 UNE-EN ISO 6222:1999	Drinking, Continental, and Utility Waters	Agar plate
<i>Escherichia coli</i>	MQM-053 Based on ISO 16649-2	Food, Surfaces and Handlers	Agar plate
<i>E. coli</i>	MQM-043 Based on NCh 2636	Handlers, Surfaces, and Utensils	MPN
Enterobacteria	MQM-036 Based on NCh 2676	Handlers, Surfaces, and Utensils	Agar plate

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Enterobacteriaceae	MQM-076 ISO 21528-2	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers.	Agar plate
Enterobacteriaceae	MQM-016 NCh 2676	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Fat, Flour, Animal Products, and Feed	Agar plate
Fecal Enterococci	MQM-051 ISO 7899-2	Drinking, Continental, and Utility Waters	Membrane filtration
Heterotrophs	MQM-056 SM 9215-B	Drinking, Continental, and Utility Waters	Agar plate
<i>L. monocytogenes</i> and <i>Listeria</i> spp. (CFU)	MQM-019 NCh 2657/2 ISO 11290-2	Food, Fruits, Vegetables, Juices, Wines, Fats, Meat, Dairy Products, Prepared Meals, Sugars, Eggs, Flour, Animal Products, and Feed Handlers, Surfaces, and Utensils	Agar plate
<i>Lactobacillus</i> spp.	MQM-044 ISO 15214	Food and Feed	Agar plate
Mold and Yeast Free Sedimentation	MQM-037 Standard Methods for the Examination of Dairy Products	Free Sedimentation on Ambiances	Agar plate
Mold and Yeast	MQM-018 NCh 2734	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meals, Sugar, Eggs, Fat, Flour, Animal Products, and Feed	Agar plate
Mold and Yeast	MQM-038 Based on NCh 2734	Handlers, Surfaces, and Utensils	Agar plate

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Molds in Free Sedimentation and Environments	MQM-065 Instructions for the definition and evaluation of contamination with mold in the air and walls of the cold rooms of the Sanitary Standards for Fridges (approved by the General Sanitary Doctor of the State of the USSR on 09.29.1988 N4695-88) of the Eurasian Economic Union; Sanitary standards for refrigerators (approved by the USSR State General Sanitary Doctor on 09.29.1988 N4695- 88) of the Eurasian Economic Union.	Free Sedimentation and Environments	Agar plate
Molds	MQM-064 Instructions for the definition and evaluation of contamination with molds in the air and walls of the cold rooms of the Sanitary Standards for Fridges (approved by the General Sanitary Doctor of the State of the USSR on 09.29.1988 N4695-88) of the Eurasian Economic Union.; Sanitary standards for refrigerators (approved by the USSR State General Sanitary Doctor on 09.29.1988 N4695- 88) of the Eurasian Economic Union.	Surfaces of Cold Room Walls	Agar plate

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>S. aureus</i> – Coagulase Positive (CFU/g)	MQM-023 Based on NCh 2671	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meals, Sugar, Eggs, Flour, Animal Products, and Feed	Agar plate
<i>S. aureus</i>	MQM-041 Based on NCh 2671	Handlers, Surfaces, and Utensils	Agar plate
Total Coliforms	MQM-012 NCh 2635/2	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meal, Fat, Flour, Animal Products, and Feed	Agar plate
Total Fecal Coliforms	MQM-035 Based on NCh 2635/2	Surfaces, Utensils, and Handlers	Agar plate
Membrane Filtration			
<i>C. perfringens</i>	MQM-073 DIRECTIVA 98/83 CE del Consejo	Drinking, Continental, and Utility Waters	Membrane Filtration
Detection and Counting of <i>E. coli</i> and Coliform Bacteria (by Chromogenic)	MQM-027 NCh 9308/1, SM 9222B, 9222D, 9222G	Drinking, Continental, and Utility Waters	Membrane Filtration
<i>L. monocytogenes</i>	MQM-052 NCh 2657	Drinking and Utility Waters	Membrane Filtration
<i>Salmonella</i> spp.	MQM-050 SM 9260-B	Drinking and Utility Waters	Membrane Filtration
Total Coliforms and <i>E. coli</i>	MQM-026 NCh 1620/2 ME-02 2024	Drinking, Continental, and Utility Water	Membrane Filtration
MPN			
<i>Vibrio parahaemolyticus</i>	MQM-055 BAM Ch.9	Hydrobiological Products and Fishery Products in General	MPN

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>E. coli</i> β -glucuronidase	MQM-078 ISO 16649-3 NCh 3056	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Meal, Animal Products, Feed, Surfaces, Utensils, Hydrobiological Products, and Fishery Products in General	MPN
<i>E. coli</i>	MQM-017 NCh 2636	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, and Feed	MPN
<i>E. coli</i>	MQM-071 ISO 7251	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers	MPN
<i>S. aureus</i> – Coagulase Positive	MQM-024 NCh 2828	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, and Feed	MPN
Total Coliforms and <i>E. coli</i> (Chromogenic Method)	MQM-029 NCh 2043	Drinking, Continental, and Utility Waters	MPN
Total Coliforms and <i>E. coli</i>	MQM-025 NCh 1620/1 ME-01 2024	Drinking, Continental, and Utility Waters	MPN
Total Coliforms	MQM-074 NCh-ISO 4831	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers	MPN

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Total Coliforms – UEE	MQM-061 GOST 26669-85 GOST R 52816-2007; ISO 4831	Hydrobiological Products and Fishery Products in General	MPN
Total and Fecal Coliforms and <i>E. coli</i>	MQM-028 SM 9221B, 9221E, 9221F	Drinking, Continental, and Utility Waters	MPN
Total and Fecal Coliforms	MQM-013 NCh 2635/1	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Flour, Animal Products, and Feed	MPN
Total and fecal coliforms and <i>E. coli</i>	MQM-048 Based on NCh 2635/1 NCh 2636	Handlers, Surfaces, and Utensils	MPN
PCR			
Detection of <i>S. aureus</i> , <i>Escherichia coli</i> , <i>Listeria monocytogenes</i> and <i>Salmonella</i> spp. by HRM (High Resolution Melting)	MQV-011 Internal Methods	Surfaces, Utensils, Handlers, Waters and Food	PCR
Detection of <i>Salmonella</i> spp. and <i>Listeria monocytogenes</i> by RT-qPCR	MQV-014 Internal Methods	Surfaces, Utensils, Handlers, Waters and Food	PCR
Detection of <i>Salmonella</i> , and <i>Listeria monocytogenes</i> by Duplex PCR Final Point	MQV-008 Internal Methods	Surfaces, Utensils, Handlers, Waters and Food	PCR
Detection of SARS-CoV-2 by Reverse Transcription and PCR	MQV-004 Internal Methods	Surfaces, Utensils, Handlers, and Food	PCR
Detection of <i>S. aureus</i> and <i>E. coli</i> by Duplex PCR Final Point	MQV-007 Internal Methods	Surfaces, Utensils, Handlers, Waters, and Food	PCR
Detection of <i>S. aureus</i> , <i>Salmonella</i> , <i>Listeria monocytogenes</i> , and <i>E. coli</i> by Multiplex PCR Final Point	MQV-006 Internal Methods	Surfaces, Utensils, Handlers, Waters, and Food	PCR
Detection of <i>S. aureus</i> and <i>Escherichia coli</i> by RT-qPCR	MQV-013 Internal Methods	Surfaces, Utensils, Handlers, Waters, and Food	PCR

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Detection of <i>S. aureus</i> , <i>Escherichia coli</i> and <i>Listeria monocytogenes</i> by RT-qPCR	MQV-012 Internal Methods	Surfaces, Utensils, Handlers, Water and Food	PCR
SARS-CoV-2 by RT-qPCR	MQV-002 Internal Methods	Surfaces, Utensils, Handlers, and Food	PCR
Detection of spoilage microorganisms in beer by PCR <ul style="list-style-type: none"> • <i>Saccharomyces diastaticus</i> • Acetic acid bacteria • <i>Brettanomyces</i> • HOP resistant <i>Lactic acid bacteria</i> • <i>Megasphaera</i> • <i>Pectinatus</i> 	MQV-019 Beer Spoilage micro test	Beer	PCR
Detection of spoilage microorganisms in wine by PCR <ul style="list-style-type: none"> • <i>Saccharomyces</i> • <i>Zygosaccharomyces</i> • <i>Acetobacter/Glucono bacter</i> • <i>Oenococcus</i> • <i>Levilactobacillus</i> • <i>Brettanomyces</i> • <i>Pediococcus</i> 	MQV-020 Wine Spoilage micro test	Wine	PCR
Detection of animal meat type DNA by PCR <ul style="list-style-type: none"> • Beef • Lamb • Turkey • Horse • Goat • Pork • Chicken 	MQV-021 MA7 DNA Lateral Flow Test	Meat	PCR

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Petrifilm Enumeration			
Aerobic Mesophiles	MQM-009 AOAC 990.12	Food, Fruits, Vegetables, Juices, Meat, Dairy Products, Prepared Meals, Wines, Fat, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	Petrifilm
Aerobic Mesophiles	MQM-069 AOAC 986.33	Milk and Dairy Products	Petrifilm
<i>E. coli</i>	MQM-072 AOAC 998.08	Poultry and Seafood	Petrifilm
Enterobacteria	MQM-015 Based on AOAC 2003.01	Food, Fruits, Vegetables, Juices, Wines, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Fat, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	Petrifilm
Mold and Yeast	MQM-058 AFNOR 3M / 13-07-14. 3M™ Rapid Yeast and Mold Petrifilm™	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	Petrifilm
Mold and Yeast	MQM-046 Based on AOAC 997.02	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, and Feed, Surfaces, Utensils, and Handlers	Petrifilm
<i>S. aureus</i>	MQM-022 Based on AOAC 2003.07, 2003.08, 2003.11	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Pastas, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	Petrifilm

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Total and Fecal Coliforms, and <i>E. coli</i>	MQM-014 AOAC 991.14, 998.08 AFNOR 3M 01/02-09/89C	Food, Fruits, Vegetables, Meat, Dairy Products, Prepared Meals, Juices, Wines, Fat, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	Petrifilm
Total Coliforms	MQM-070 AOAC 986.33, 989.10	Milk and Dairy Products	Petrifilm
Vidas Detection			
<i>E. coli</i> O157	MQM-002 Based on AFNOR N° BIO 12/25- 05/09	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, Feed, Handlers, Surfaces, Utensils, and Water	VIDAS
<i>L. monocytogenes</i>	MQM-004 AFNOR N° BIO 12-11-03/04	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Flour, Animal Products, and Feed	VIDAS
<i>L. monocytogenes</i>	MQM-032 AFNOR N° BIO 12-11-03/04	Surfaces and Utensils	VIDAS
<i>Listeria</i> spp.	MQM-057 AFNOR N° BIO 12/33-05/12 VIDAS UP	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Eggs, Flour, Animal Products, Feed, Handlers, Surfaces, and Utensils	VIDAS
<i>L. monocytogenes</i>	MQM-049 AFNOR N° BIO 12/27-02/10 VIDAS XPRESS	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products, Feed, Surfaces, Utensils, and Handlers	VIDAS

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Salmonella</i>	MQM-008 AFNOR N° BIO 12/16/09/05	Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Eggs, Flour, Animal Products, and Feed	VIDAS
<i>Salmonella</i>	MQM-034 AFNOR N° BIO 12/16/09/05	Handlers, Surfaces, and Utensils	VIDAS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Electromagnetic Methods			
Ammonia	ME-27 2024	Drinking Waters	Potentiometric Specific Electrode
Ammonia Nitrogen	SM 4500-NH3 D	Drinking, Continental, and Utility Waters	Potentiometric Specific Electrode
Cyanide	SM 4500 CN- C, E	Drinking, Continental, and Utility Waters	Potentiometric Specific Electrode
Cyanide	ME-14-2024	Drinking Waters	Potentiometric Specific Electrode
Fluoride	SM 4500 F- C	Drinking, Continental, and Utility Waters	Potentiometric Specific Electrode
Fluoride	ME-06-2024	Drinking Waters	Potentiometric Specific Electrode
Nitrate	ME-16-2024	Drinking Waters	Potentiometric Specific Electrode
pH	MQQ-055 (based on SM 4500 H+ B)	Drinking, Continental, and Utility Waters	pH Meter
pH	ME-29-2024	Drinking Waters	pH Meter
pH	MQQ-039	Food and Hydrobiological Products	pH Meter
GC Chromatography			
2,4-D and Pentachlorophenol	ME-21-2024	Drinking Waters	GC
Benzene, Toluene, and Xylenes (BTX)	ME-19-2024	Drinking Waters	GC

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Benzopyrenes in oils <ul style="list-style-type: none"> • Benzo(a) anthracene • Benzo (a) pyrene • Benzo (b) fluoranthene • Chrysene 	MQC-049	Oils	GC-MS/MS
Cholesterol	MQC-024	Food and Oil	GC-FID
Dibromochloromethane, Bromodichloromethane, Tribromomethane, Trichloromethane, Trihalomethanes, and Tetrachloroethene	ME-22-2024	Drinking Waters	GC
Dithiocarbamate Residue	MQC-022	Food, Dry/Fresh and Transformed Fruits and Vegetables, and Wines	GC-MS
Fatty Acid Profile	MQC-007	Food, Oil, Processed Food, and Raw Materials	GC- FID
Lindane, Methoxychlor, and DDT, DDD and DDE	ME-20-2024	Drinking Waters	GC
Pesticide Residues ^{1,2} (Polar and Non-Polar)	MQC-023	Food, Dry/Fresh and Transformed Fruits and Vegetables, Wines, Fat, Animal Tissue, Feed, and Juices	GC-MS ¹ , LC-MS/MS ¹ and GC-MS/MS ²
Sugar Profile	MQC-032	Compound Feed, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	GC-FID and HPLC-IR
Gravimetric Tests			
Ash	MQQ-006	Animal Meal and Animal Feed Raw Material	Gravimetric
Ash	MQQ-016	Food, Wines, Dry/Fresh Fruits and Vegetables, and Food Products	Gravimetric
Ash	MQQ-015	Meat and Meat Products	Gravimetric

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Crude Fiber	MQQ-011	Food, Dry/Fresh Fruits and Vegetables, and Food Products	Gravimetric
Energy by Difference	MQQ-043	Food, Wines, Dry/Fresh Fruits and Vegetables, and Food Products	Calculation
Fat and Lean Meat	MQQ-041	Food	Gravimetric
Fat Content	MQQ-008	Animal Feed	Gravimetric
Fat	MQQ-022	Cheese	Gravimetric
Fat	MQQ-021	Dairy Products	Gravimetric
Fat	MQQ-023	Flour and Farinaceous Food	Gravimetric
Fat	MQQ-020	Food with High Fat Content	Gravimetric
Free Fat	MQQ-072	Milk and Dairy	Gravimetric
Glaze	MQQ-057	Hydrobiological Products	Gravimetric
Impurities	MQQ-047	Oils and Fats	Gravimetric
Insoluble Ash in Acid (sand)	MQQ-046	Compound Feed	Gravimetric
Insoluble Solids (in water)	MQQ-065	Salt	Gravimetric
Moisture	MQQ-005	Animal Meal and Other Animal Feed Materials	Gravimetric
Moisture	MQQ-014	Food, Dry/Fresh Fruits and Vegetables, and Food Products	Gravimetric
Moisture	MQQ-024	Hydrobiological Products	Gravimetric
Moisture and Volatile Matter	MQQ-101	Oils	Gravimetric
Non-Nitrogenous Extract	MQQ-044	Food, Wines, Dry/Fresh Fruits and Vegetables, and Food Products	Calculation
Polar compounds	MQC-052	Oils	Gravimetric
Sulfate	SM 4500-SO ₄ D	Drinking, Continental, and Utility Waters	Gravimetric

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sulfate	ME-30-2024	Drinking Waters	Gravimetric
Sulfate	MQQ-068	Salt	Gravimetric
Total and Available Carbohydrates	MQQ-045	Dry/Fresh and Transformed Fruits and Vegetables	Calculation
Total Dietary Fiber (Soluble and Insoluble)	MQQ-013	Dry/Fresh and Transformed Fruits and Vegetables, and Canned Food	Gravimetric
HPLC Chromatography			
Amino Acids	MQC-012	Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	HPLC
Antibiotics (Florfenicol, Oxytetracycline and Emamectin)	MQC-037	Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh Fruits and Vegetables, and Food Products	LC-MSMS
Antibiotics Purity Pesticides (Florfenicol and Lufenuron)	MQC-035	Pharmaceutical products	HPLC-DAD
Antioxidants	MQC-017	Vegetable and Fish Oil, Compound Feed, Processed Animal Protein Meal, and Fish Muscle	HPLC
Benzopyrenes	MQC-021	Compound Feed, Processed Animal Protein Meal, Raw Materials of Animal Origin, Pellets, and Oils	HPLC-FLD
Biogenic Amines	MQC-004	Compound Feed, Processed Animal Protein Meal, and Fish Muscle	HPLC

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Collagen	MQC-038	Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	HPLC-DAD
Determination of Free Astaxanthin	MQC-016	Animal Feed, Fish Feed, and Fish Muscle	HPLC
Determination of Total and Esterified Astaxanthin	MQC-042	Animal Feed, Fish Feed, and Fish Muscle	HPLC
Ethoxyquin Residue	MQC-006	Seafood Products and Meal, Vegetable and Fish Oil, Compound Feed, Processed Animal Protein Meal, and Fish Muscle	HPLC-FLD HPLC-PDA
Florfenicol	MQC-014	Fish Food	HPLC
Free Histidine	MQC-039	Fish Muscle	HPLC-DAD
Mycotoxins	MQC-043	Food, and Dry/Fresh and Transformed Fruits and Vegetables	HPLC
Mycotoxins <ul style="list-style-type: none"> • Ochratoxin A • Aflatoxin B1 • Aflatoxin B2 • Aflatoxin G1 • Aflatoxin G2 	MQC-051	Spices and Condiments	IAC-HPLC Fluorescence
Potassium Sorbate and Sodium Benzoate	MQC-025	Foods	HPLC
Tryptophan	MQC-034	Compound Feed and Raw Material from Animal Feed	HPLC-FLD HPLC-PDA
Vitamin B12	MQC-046	Foods	IAC-HPLC-DAD

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Vitamin C	MQC-019	Compound Feed, Vitamin Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	HPLC UV/VIS
Vitamins <ul style="list-style-type: none"> • A • D2 • D3 	MQC-020	Compound Feed, Vitamin Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	HPLC DAD or UV/VIS
Vitamin E	MQC-041	Compound Feed, Vitamin Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	HPLC DAD or UV/VIS
Water Soluble Vitamins <ul style="list-style-type: none"> • B1 • B2 • B3 • B5 • B6 • B9 	MQC-047	Compound Feed, Vitamin Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	HPLC DAD or UV
Metals by AA			
Aluminum, Barium, Beryllium, Molybdenum, and Vanadium	SM 3111 D	Drinking, Continental, and Utility Waters	Atomic Absorption
Aluminum	MQQ-094	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Canned Foods	Atomic Absorption
Arsenic	SM 3114 C	Drinking, Continental, and Utility Waters	Atomic Absorption
Arsenic	ME-12-2024	Drinking Waters	Atomic Absorption

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Arsenic	MQQ-025	Food, Dry/Fresh and Transformed Fruits and Vegetables, Wines, and Feed Materials	Atomic Absorption
Arsenic	MQQ-026	Hydrobiological Products, fish and crustaceans, chilled and refrigerated live fish products. processed and chilled fish products	Atomic Absorption
Cadmium, Calcium, Cobalt, Copper, Chromium Iron, Magnesium, Manganese, Lead, Lithium, Nickel, Silver, Sodium, Potassium, and Zinc	SM 3111 B	Drinking, Continental, and Utility Waters	Atomic Absorption
Copper	SM 3111 B	Drinking, Continental, and Utility Waters	Atomic Absorption - ICP
Cadmium	ME-13-2024	Drinking Waters	Atomic Absorption
Cadmium	MQQ-088	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, Feed, and Feed Additives	Atomic Absorption
Cadmium	MQQ-027	Hydrobiological Products, fish and crustaceans, chilled and refrigerated live fish products. processed and chilled fish products	Atomic Absorption
Calcium	MQQ-030	Flour, Bread, and Pasta	Atomic Absorption
Calcium	MQQ-090	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Canned Foods	Atomic Absorption
Calcium	MQQ-089	Meat and Meat Products	Atomic Absorption
Chromium	ME-05-2024	Drinking Waters	Atomic Absorption
Copper	ME-04-2024	Drinking Waters	Atomic Absorption
Copper	ME-04-2024	Drinking Waters	Atomic Absorption - ICP

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Copper	MQQ-049	Food, Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	Atomic Absorption
Copper	MQQ-031	Food, Wines, and Dry/Fresh and Transformed Fruits and Vegetables	Atomic Absorption
Iron	ME-07-2024	Drinking Waters	Atomic Absorption
Iron	MQQ-096	Food, Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	Atomic Absorption
Iron	MQQ-086	Food, Wines, and Dry/Fresh and Transformed Fruits and Vegetables	Atomic Absorption
Lead	ME-18-2024	Drinking Waters	Atomic Absorption
Lead	MQQ-028	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, Feed, and Feed Additives	Atomic Absorption
Lead	MQQ-035	Hydrobiological Products, fish and crustaceans, chilled and refrigerated live fish products. processed and chilled fish products	Atomic Absorption
Magnesium	ME-09-2024	Drinking Waters	Atomic Absorption
Magnesium	MQQ-092	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Canned Foods	Atomic Absorption
Manganese	ME-08-2024	Drinking Waters	Atomic Absorption

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Manganese	MQQ-093	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Canned Foods	Atomic Absorption
Mercury	SM 3112 B	Drinking, Continental, and Utility Waters	Atomic Absorption
Mercury	ME-15-2024	Drinking Waters	Atomic Absorption
Mercury	MQQ-034	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Materials	Atomic Absorption
Mercury	MQQ-033	Hydrobiological Products, fish and crustaceans, chilled and refrigerated live fish products. processed and chilled fish products	Atomic Absorption
Potassium	MQQ-091	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Canned Foods	Atomic Absorption
Selenium	MQQ-042	Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	Atomic Absorption
Selenium	SM 3030 F, 3114 C	Drinking, Continental, and Utility Waters	Atomic Absorption
Selenium	ME-10-2024	Drinking Waters	Atomic Absorption
Sodium	MQQ-036	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Canned Foods	Atomic Absorption
Sodium	MQQ-029	Meat and Meat Products	Atomic Absorption
Tin	MQQ-032	Canned Foods and Hydrobiological Products	Atomic Absorption

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Tin	MQQ-097	Food, Wines, and Dry/Fresh and Transformed Fruits and Vegetables	Atomic Absorption
Zinc	ME-11-2024	Drinking Waters	Atomic Absorption
Zinc	MQQ-087	Dry/Fresh and Transformed Fruits and Vegetables	Atomic Absorption
Zinc	MQQ-037	Food, Wines, Feed Additives, and Hydrobiological Products	Atomic Absorption
Others			
Conductivity	MQQ-085 (based on SM 2510 B)	Drinking, Continental, and Utility Waters	Conductivity Meter
Flavor	ME-26-2024	Drinking Waters	Organoleptic
Hardness	MQQ-083	Drinking, Continental, and Utility Waters	Calculation
Odor	ME-25-2024	Drinking Waters	Organoleptic
Nitrate + Nitrite Ratio	NCh 409/1, item 5–Table 2	Drinking Waters	Calculation
Percentage Sodium	NCh 1333-Point 3.8	Drinking, Continental, and Utility Waters – Calculation	Calculation
Sodium Adsorption Ratio	NCh 1333-Point 3.7	Drinking, Continental, and Utility Waters – Calculation	Calculation
Total Dissolved Solids	SM 2540 C	Drinking, Continental, and Utility Waters	Gravimetric
Total Dissolved Solids	ME-31-2024	Drinking Waters	Gravimetric
True Color	ME-24-2024	Drinking Waters	Visual Comparison
Turbidity	ME-03-2024	Drinking Waters	Turbidity Meter
Water Activity	MQQ-058	Food and Dry/Salty Fish Food	Water Activity Meter
Paired Comparison	PSQ-003	Food in general	Organoleptic
Spectrophotometry			
Anisidine Value	MQQ-003	Animal and Vegetable Fat, and Oil	UV/VIS
Boron	SM 4500-B C	Drinking Waters, Continental, and Utility Waters	Spectrophotometry

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Delta K (ΔK)	MQQ-048	Oils and Fats	Spectrophotometry
Nitrite	ME-17-2024	Drinking Waters	Calculation
Nitrites and Nitrates	MQQ-074	Milk and Dairy Products	Spectrophotometry
Nitrites	MQQ-017	Food, Dry/Fresh and Transformed Fruits and Vegetables, Dairy Products, Meat, and Meat Products	Spectrophotometry
Phenolic Compounds (phenol)	ME-32-2024	Drinking Waters	Spectrophotometry
Phosphorus	SM 4500-P B, C	Drinking Waters, Continental and Utility Waters	Spectrophotometry
Phosphorus	MQQ-018	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	Spectrophotometry
Phosphorus	MQQ-019	Meat and Meat Products	Volumetric
Total and Free Chlorine	MQQ-051	Drinking and Utility Waters	Spectrophotometry
Turbidity	MQQ-050 (Based on SM 2130 B)	Drinking and Utility Waters	Spectrophotometry
UPLC-MS/MS Chromatography			
Acrylamide	MQC-027	Raw Materials of Animal Origin, Feather Meal, Viscera, Blood, Animal Tissue, Pellets, Farinaceous Food, and Coffee	UPLC MS-MS
Antibiotic Residue	MQC-008	Compound Feed, Fish Muscle, Processed Animal Protein Meal, Shrimp, Food, and Dairy Products	UPLC MS-MS
Coccidiostats	MQC-010	Raw Materials of Animal Origin, Compound Feed, Fish Muscle, Processed Animal Protein Meal, and Shrimp	UPLC MS-MS
Crystal Violet, Leuco Crystal Violet, Malachite Green, Leuco Malachite Green, and Brilliant Green	MQC-005	Compound Feed, Fish Muscle, Processed Animal Protein Meal, and Shrimp	UPLC MS-MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Determination of 17 β -Estradiol	MQC-048	Hydrobiological Products, Food, Raw Materials, Animal Feed, Oils, etc.	LC MS/MS
Highly Polar Pesticides (Chlorate, Ethephon, Glyphosate, Fosetyl aluminum and salts, Perchlorate, Phosphonic acid and salts, and Fosetyl (sum of Fosetyl-Al, Phosphonic Acid and its salts))	MQC-026	Food, Dried/Fresh and Transformed Fruits and Vegetables, Wines, Oils, Fat, Animal Tissue, Pellets, and Juices	UPLC-MS/MS
Melamine	MQC-029	Raw Materials of Animal Origin, Feather Meal, Viscera, Blood, Animal Tissue, Pellets, Food, and Dairy Products	UPLC-MS/MS
Mycotoxins	MQC-050	Food (except dry fruits, spices and condiments)	UPLC-MS/MS
Mycotoxins	MQC-013	Processed Animal Protein Meal, Wheat and Flour Meal, Whole Grains, Vegetable Seeds, Processed Vegetable Protein, Food, Dry/Fresh and Transformed Fruits and Vegetables, Wines, Oil, Coffee, Meal, and Pellets	UPLC-MS/MS
Nitrofurans	MQC-009	Animal Tissue, Raw Materials of Animal Origin, Compound Feed, Fish Muscle, Processed Animal Protein Meal, and Shrimp	UPLC-MS/MS
Nitroimidazole	MQC-030	Raw Materials of Animal Origin, Compound Feed, Fish Muscle, Processed Animal Protein Meal, and Shrimp	UPLC-MS/MS
Stilbenes	MQC-031	Raw Materials of Animal Origin, Compound Feed, Fish Muscle, Processed Animal Protein Meal, and Shrimp	UPLC-MS/MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Tetracyclines	MQC-002	Raw Materials of Animal Origin, Compound Feed, Fish Muscle, Processed Animal Protein Meal, and Shrimp	UPLC-MS/MS
Trace Amounts in Commercial Pharmaceuticals Products (Abamectina, Ac. Oxolinic, Bright Green, Chloramphenicol, Ciprofloxacin, Crystal Violet, Diflubenzuron, Emamectin Benzoate, Enrofloxacin, Erythromycin, Florfenicol, Flumequin, Ivermectin, Leuco Crystal Violet, Leuco Malachite Green, Malachite Green, Oxytetracycline, Sarafloxacin, Spiramycin, Teflubenzuron, Trimethoprim, and Tylosin)	MQC-018	Pharmaceutical products	UPLC-MS/MS
Volumetric Tests			
Acidity	MQQ-059	Diary and Fruit Products	Volumetric
Alkalinity	SM 2320 B	Drinking Waters, Continental, and Utility Waters	Volumetric
Bicarbonate and Carbonate	SM 2320 B, SM4500- CO2 D	Drinking Waters, Continental, and Utility Waters	Calculation
Chloride	SM 4500 Cl- B	Drinking, Continental, and Utility Waters	Volumetric
Chloride	ME-28-2024	Drinking Waters	Volumetric
Chloride	MQQ-064	Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, Feed Additives, and Hydrobiological Products	Volumetric

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Free Fatty Acid	MQQ-002	Hydrobiological products, foods containing oils and fats of animal and vegetable origin	Volumetric
Iodine	MQQ-060	Salt	Volumetric
Monochloramine	ME-23-2024	Drinking, Continental and Utility Waters	Volumetric
Nitrogen	SM 4500 Norg B	Drinking, Continental and Utility Waters	Potentiometric specific electrode
Peroxide Index	MQQ-001	Oils, Vegetable Fat, Animal Tissue, and Hydrobiological Products	Volumetric
Proteins (Kjeldahl)	MQQ-004	Food, Wines, Dry/Fresh Fruits and Vegetables, and Food Products	Volumetric
Residual Free Chlorine	ME-33-2024	Drinking Waters	Volumetric
Soluble Proteins	MQQ-052	Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh Fruits and Vegetables, and Food Products	Volumetric
Sulfites	MQQ-069	Compound Feed, Processed Animal Protein Meal, Fish Muscle, Shrimp, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives	Volumetric
Total Chlorine	SM 4500 Cl G	Drinking, Continental, and Utility Waters	Colorimetric method
Total Sugar	MQQ-010	Food, Dry/Fresh Fruits and Vegetables, and Food Products	Gravimetric
Total Volatile Nitrogen (BNTV)	MQQ-040	Hydrobiological Products	Volumetric

Sample Collection

Sampling Type	Specification, Standard, Method, or Sampling Technique	Activity
Drinking Water Sampling	PMIQ-007 based on NCh 409/2, NCh-ISO 5667/1, NCh 411/3, NCh 411/5, NCh 411/11	Drinking Water, Drinking Fountains, Processing Water
Surface and Groundwater Sampling	PMIQ-009 based on NCh 409/2, NCh-ISO 5667/1, NCh-ISO 5667/4, NCh-ISO 5667/6, NCh 411/3, NCh 411/8, NCh 411/9, NCh 411/11	Surface, Continental and/or Raw Water (Oceanic and Marine Masses, Lakes, Reservoirs, Rivers, and Streams) and those Destined for Human Consumption and Source of Catchment
Wastewater Sampling	PMIQ-010 based on NCh 3205, NCh-ISO 5667/1, NCh 411/3, NCh 411/10	Wastewater

Environmental

Technology	Specification, Standard, Method, or Test Technique	Analyte
Colorimetric Methods	PTQ-002 based on SM 4500-Cl G	Residual Free Chlorine, Total Chlorine in Drinking Water, Water Supply Sources, Wastewater, Superficial and Underground Water
Potentiometric Methods	PTQ-001 based on SM 4500 H+ B, NCh 409/2, NCh 411/10	pH in Drinking Water, Water Supply sources, Wastewater, Superficial and Underground Water
Potentiometric Methods	PTQ-001 based on SM 2510 B	Conductivity in Drinking Water, Water Supply Sources, Wastewater, Superficial and Underground Water
Nephelometric Methods	PTQ-003 based on SM 2130 B	Turbidity in Drinking Water, Water Supply Sources, Wastewater, Superficial and Underground Water
Other	PTQ-001	Temperature in Drinking Water, Water Supply Sources, Wastewater, Superficial and Underground Water

Technology	Specification, Standard, Method, or Test Technique	Analyte
Organoleptic	PTQ-004 based on ME-25 Superintendencia de Servicios Sanitarios de Chile (SISS)	Odor in Drinking Water
Organoleptic	PTQ-004 based on ME-26 Superintendencia de Servicios Sanitarios de Chile (SISS)	Flavor in Drinking Water

¹ List of pesticides accredited under MQC-023 by GC-MS and LC-MS/MS:

Pesticide	Pesticide	Pesticide	Pesticide
1,3-Dichloropropene (cis trans)	Desmedipham	HCH, Gamma-(Lindane)	Prometryn
2-Phenylphenol	Diafenthiuron	Heptachlor	Propamocarb
2,4-D	Diazinon	Heptachlor-endo-epoxide (trans, isomer A)	Propanil
2,4'-DDD	Dichlobenil	Heptachlor-exo-epoxide (cis-, isomer B)	Propargite
2,4'DDE	Dichlofenthion	Heptenophos	Propazine
2,4'DDT	Dichlofluanid	Hexachloro-1,3-butadien	Propham
4,4'-DDD	Dichlorprop	Hexachlorobenzene	Propiconazole
4,4'DDE	Dichlorvos	Hexaconazole	Propineb
4,4'DDT	Diclobutrazol	Hexaflumuron	Propoxur
Abamectin	Diclofop	Hexythiazox	Propyzamide
Acephate	Dicloran	Hymexazol	Proquinazid
Acequinocyl	Dicofol	Imazalil	Prosulfocarb
Acetamiprid	Dicrotophos	Imazamox	Prothioconazole
Acetochlor	Dieldrin	Imidacloprid	Pymetrozine
Aclonifen	Diethofencarb	Indoxacarb	Pyraclostrobin
Acrinathrin	Difenoconazole	Ioxynil	Pyrazophos

¹ List of pesticides accredited under MQC-023 by GC-MS and LC-MS/MS:

Pesticide	Pesticide	Pesticide	Pesticide
Alachlor	Diflubenzuron	Iprodione	Pyridaben
Aldicarb	Diflufenican	Iprovalicarb	Pyridaben
Aldicarb sulfone	Dimethenamid-P	Isazophos	Pyridaphention
Aldicarb sulfoxide	Dimethoate	Isofenphos	Pyrifenox
Aldrin	Dimethomorph	Isofenphos Metyl	Pyrimethanil
Ametryn	Diniconazole	Isopyrazam	Pyriproxyfen
Amitraz	Dinocap	Kresoxim -Methyl	Quinalphos
Atrazine	Dinoseb	Lambda-Cyhalothrin	Quinclorac
Azamethiphos	Diphenylamine	Lenacil	Quinmerac
Azinphos-ethyl	Diquat dibromide hydrate	Linuron	Quinoxifen
Azinphos-methyl	Disulfoton	Lufenuron	Quintozene
Azoxystrobin	Disulfoton Sulfoxide	Malathion	Quizalofop-ethyl
Benalaxyl	Disulfuton Sulfone	Maleic hydrazide	Rimsulfuron
Bendiocarb	Dithianon	Mancozeb	Ronidazole
Benfluralin	Diuron	Mandipropamid	Rotenone
Benfuracarb	Dodemorph	Maneb	Simazine
Benomyl	Dodine	MCPA	Spinetoram
Bentazone	Emamectin Benzoate	Mecarbam	Spinosad (mixture of spinosad A and Spinosad D)
Benthiavalicarb-isopropyl	Endosulfan (alpha and beta)	Mepanipyrim	Spirodiclofen
Benzalkonium chloride	Endosulfan-sulfate	Mepronil	Spiromesifen
Beta-HCH	Endosulfan, alpha	Meptyldinocap	Spirotetramat
Bifenazate	Endosulfan, beta	Metaflumizone	Spiroxamine
Bifenthrin	Endrin	Metalaxyl	Sulfotep

¹ List of pesticides accredited under MQC-023 by GC-MS and LC-MS/MS:

Pesticide	Pesticide	Pesticide	Pesticide
Biphenyl	Endothall	Metamitron	Tebuconazole
Bitertanol	Epoxiconazole	Metazachlor	Tebufenozide
Boscalid	Esfenvalerate	Methamidophos	Tebufenpyrad
Brodifacoum	Ethalfuralin	Methidathion	Tecnazene
Bromacil	Ethiofencarb	Methiocarb	Teflubenzuron
Bromadiolone	Ethion	Methomyl	Tefluthrin
Bromophos-ethyl	Ethofumesate	Methoxychlor	Terbacil
Bromophos-methyl	Ethoprophos	Methoxyfenozide	Terbufos
Bromopropylate	Ethoxyquin	Metolachlor	Terbutylazine
Bromoxynil	Ethoxyquin Hydrochloride	Metrafenone	Terbutryn
Bromuconazole	Etofenprox	Metribuzin	Tepraloxydim
Bupirimate	Etridiazole	Mevinphos	Tetraclorvinfos
Buprofezin	Famoxadone	Milbemectin A3	Tetraconazole
Cadusafos	Fenamidone	Milbemectin A4	Tetradifon
Captafol	Fenamiphos	Mirex	Tetramethrin
Captan	Fenarimol	Monocrotophos	Thiabendazole
Carbaryl	Fenazaquin	Myclobutanil	Thiacloprid
Carbendazim	Fenbuconazole	Naled	Thiamethoxam
Carbofuran	Fenchlorphos	Napropamide	Thidiazuron
Carbophenothion	Fenhexamid	Nitenpyram	Thiocyclam
Cartap Hydrochloride	Fenitrothion	Novaluron	Thiodicarb
Chlorantraniliprole	Fenoxycarb	Nuarimol	Thiophanate Methyl
Chlordane	Fenpropathrin	Ofurace	Thiophanate-ethyl

¹ List of pesticides accredited under MQC-023 by GC-MS and LC-MS/MS:

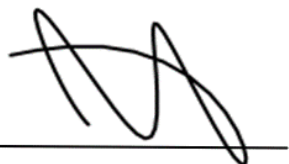
Pesticide	Pesticide	Pesticide	Pesticide
Chlorfenapyr	Fenpropidin	Omethoate	Thiram
Chlorfenson	Fenpropimorph	Oxadiazon	Tolclofos-methyl
Chlorfenvinphos	Fenpyrazamine	Oxadixyl	Tolyfluanid
Chloridazon	Fenpyroximate	Oxamyl	Transfluthrin
Chlorobenzilate	Fensulfothion	Oxyfluorfen	Triadimefon
Chinomethionate	Fenthion	Paclobutrazol	Triadimenol
Chlormequat chloride	Fenvalerato	Paraquat dichloride	Triazophos
Chloropropylate	Ferbam	Parathion(-ethyl)	Trichlorfon
Chlorothalonil	Fipronil	Paration-metyl	Triclopyr
Chlorpropham	Flazasulfuron	Penconazole	Tridemorph (technicalgrade)
Chlorpyrifos	Flocoumafen	Pencycuron	Trifloxystrobin
Chlorpyrifos-methyl	Fluazifop-butyl	Pendimethalin	Triflumizole
Chlorthal-dimethyl	Fluazinam	Pentachloroaniline	Triflumuron
Clethodim	Flubendiamide	Pentachloroanisole	Trifluralin
Clofentezine	Flucythrinate	Pentachlorobenzene	Triforine
Clomazone	Fludioxonil	Pentachlorophenol	Trinexapac ethyl
Clopyralid	Flufenoxuron	Permethrin	Uniconazole
Clothianidin	Fluopyram	Phenthoate	Vamidothion
Cyanazine	Fluquinconazole	Phorate	Vinclozolin
Cyazofamid	Flusilazole	Phosalon	Zineb
Cycloxydim	Flutolanil	Phosmet	Ziram
Cyfluthrin	Flutriafol	Phosphamidon	
Cyfluthrin, beta	Fluvalinato tau	Phoxim	

¹ List of pesticides accredited under MQC-023 by GC-MS and LC-MS/MS:

Pesticide	Pesticide	Pesticide	Pesticide
Cyhexatin	Folpet	Phthalimide	
Cymoxanil	Forchlorfenuron	Picoxystrobin	
Cypermethrin	Formetanate hydrochloride	Pirimicarb	
Cyproconazole	Formothion	Pirimiphos-methyl	
Cyprodinil	Fosthiazate	Piriniphos(-ethyl)	
Cyromazine	Furalaxyl	Prochloraz	
Deltamethrin	Gamma-cyhalothrin	Procymidone	
Demeton-S-Metil	Haloxypop (free acid)	Profenofos	

² List of pesticides accredited under MQC-023 by GC-MS/MS:

Pesticide	Pesticide	Pesticide	Pesticide
Bifenthrin	Cypermethrina	Deltametrina	Fludioxonil
Lambda-Cyhalotrin	Myclobutanil	Permethrin	Pyrimethanil
Tebuconazole	Tetraconazole	Trifloxystrobin	



Jason Stine, Vice President