



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**QLF LABS SpA - Santiago**  
**Diagonal Oriente 5669, ÑUÑO A, 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](http://www.anab.org).

Jason Stine, Vice President

Expiry Date: 29 November 2025

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

Diagonal Oriente 5669, ÑUÑO A, REGIÓN METROPOLITANA  
Santiago, Chile

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### TESTING

ISO/IEC 17025 Accreditation Granted: **29 May 2025**

Certificate Number: **AT-3388** Certificate Expiry Date: **29 November 2025**

#### Microbiological

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

## Microbiological

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|--------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <i>Enterobacteriaceae</i>                        | MQM-076<br>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<br>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<br>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<br>Based on NCh 12657                      | Hands, Surfaces, and Utensils                                                                                                                                                                                                                         | Agar plate                  |
| <i>Listeria monocytogenes</i>                    | MQM-003<br>NCh 2657                                | Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Flour, Animal Products, and Feed                                                                                                                                                                  | Agar plate                  |
| <i>Listeria</i> spp.                             | MQM-047<br>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<br>NCh 2731                                | Food, Canned Food, Fruits, Vegetables, Juices, Wines, Fat, Flour, Animal Products, and Feed                                                                                                                                                                      | Commercial sterility        |
| <i>Salmonella</i>                                | MQM-006<br>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<br>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<br>Based on NCh 2675                       | Handlers, Surfaces, and Utensils                                                                                                                                                                                                                                 | Agar plate                  |
| <i>Shigella</i> spp.                             | MQM-082<br>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<br>ISO 3666 3:2003<br>GOST 31746-2012      | Hydrobiological Products and Fishery Products in General                                                                                                                                                                                                         | MPN                         |
| <i>Staphylococcus aureus</i>                     | MQM-042<br>Based on NCh 2671                       | Handlers, Surfaces, and Utensils                                                                                                                                                                                                                                 | Agar plate                  |
| Total Coliforms                                  | MQM-060<br>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<br>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<br>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"> <li>Walnut</li> <li>Pecan</li> <li>Almond</li> <li>Pistachio</li> <li>Hazelnut</li> </ul> | MQV-017                                            | Environmental Surfaces and Rinsing Water                                                                                                                                                                                 | Lateral flow device (LFD)   |
| <b>Enumeration – Plate Count</b>                                                                                                      |                                                    |                                                                                                                                                                                                                          |                             |
| Aerobic Mesophiles (35°C)                                                                                                             | MQM-021<br>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<br>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<br>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<br>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<br>Standard Methods for the Examination of Dairy Products Free Sedimentation | Free Sedimentation and Environments                                                                                                                                                   | Agar plate                  |
| Aerobic Mesophiles (35°C)                                     | MQM-040<br>Based on NCh 2659                                                         | Hands, Surfaces, and Utensils                                                                                                                                                         | Agar plate                  |
| Aerobic Mesophiles (35°C)                                     | MQM-030<br>Based on NCh 2659                                                         | Qualification in Ambiances, Surfaces, and Utensils                                                                                                                                    | Agar plate                  |
| Aerobic Mesophiles                                            | MQM-063<br>GOST 10444.15-94                                                          | Hydrobiological Products and Fishery Products in General.                                                                                                                             | Agar plate                  |
| <i>Bacillus cereus</i>                                        | MQM-010<br>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<br>BAM Ch. 16<br>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<br>UNE-EN ISO 6222:1999                                                      | Drinking, Continental, and Utility Waters                                                                                                                                             | Agar plate                  |
| <i>Escherichia coli</i>                                       | MQM-053<br>Based on ISO 16649-2                                                      | Food, Surfaces and Handlers                                                                                                                                                           | Agar plate                  |
| <i>E. coli</i>                                                | MQM-043<br>Based on NCh 2636                                                         | Handlers, Surfaces, and Utensils                                                                                                                                                      | MPN                         |
| Enterobacteria                                                | MQM-036<br>Based on NCh 2636                                                         | 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<br>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<br>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<br>ISO 7899-2                                             | Drinking, Continental, and Utility Waters                                                                                                                            | Membrane filtration         |
| Heterotrophs                                           | MQM-056<br>SM 9215-B                                              | Drinking, Continental, and Utility Waters                                                                                                                            | Agar plate                  |
| <i>L. monocytogenes</i> and <i>Listeria</i> spp. (CFU) | MQM-019<br>NCh 2657/2<br>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<br>ISO 15214                                              | Food and Feed                                                                                                                                                        | Agar plate                  |
| Mold and Yeast Free Sedimentation                      | MQM-037<br>Standard Methods for the Examination of Dairy Products | Free Sedimentation on Ambiances                                                                                                                                      | Agar plate                  |
| Mold and Yeast                                         | MQM-018<br>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<br>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                  |

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| 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<br>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<br>Based on NCh 2671                       | Handlers, Surfaces, and Utensils                                                                                                  | Agar plate                  |
| Total Coliforms                                                                 | MQM-012<br>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<br>Based on NCh 2635/2                     | Surfaces, Utensils, and Handlers                                                                                                  | Agar plate                  |
| <b>Membrane Filtration</b>                                                      |                                                    |                                                                                                                                   |                             |
| <i>C. perfringens</i>                                                           | MQM-073<br>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<br>NCh 9308/1,<br>SM 9222B, 9222D, 9222G   | Drinking, Continental, and Utility Waters                                                                                         | Membrane Filtration         |
| <i>L. monocytogenes</i>                                                         | MQM-052<br>NCh 2657                                | Drinking and Utility Waters                                                                                                       | Membrane Filtration         |
| <i>Salmonella</i> spp.                                                          | MQM-050<br>SM 9260-B                               | Drinking and Utility Waters                                                                                                       | Membrane Filtration         |
| Total Coliforms and <i>E. coli</i>                                              | MQM-026<br>NCh 1620/2<br>ME-02 2024                | Drinking, Continental, and Utility Water                                                                                          | Membrane Filtration         |
| <b>MPN</b>                                                                      |                                                    |                                                                                                                                   |                             |
| <i>V. parahaemolyticus</i>                                                      | MQM-055<br>BAM Ch.9                                | Hydrobiological Products and Fishery Products in General                                                                          | MPN                         |

## Microbiological

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|---------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <i>E. coli</i> $\beta$ -glucoronidase                   | MQM-078<br>ISO 16649-3<br>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<br>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<br>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<br>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<br>NCh 2043                                | Drinking, Continental, and Utility Waters                                                                                                                                                                  | MPN                         |
| Total Coliforms and <i>E. coli</i>                      | MQM-025<br>NCh 1620/1<br>ME-01 2024                | Drinking, Continental, and Utility Waters                                                                                                                                                                  | MPN                         |
| Total Coliforms                                         | MQM-074<br>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

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|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Total Coliforms – UEE                                                                                                                               | MQM-061<br>GOST 26669-85<br>GOST R 52816-2007;<br>ISO 4831 | Hydrobiological Products and Fishery Products in General                                                            | MPN                         |
| Total and Fecal Coliforms and <i>E. coli</i>                                                                                                        | MQM-028<br>SM 9221B, 9221E, 9221F                          | Drinking, Continental, and Utility Waters                                                                           | MPN                         |
| Total and Fecal Coliforms                                                                                                                           | MQM-013<br>NCh 2635/1                                      | Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Flour, Animal Products, and Feed | MPN                         |
| Total Fecal Coliforms and <i>E. coli</i>                                                                                                            | MQM-048<br>Based on NCh 2635/1<br>NCh 2636                 | Handlers, Surfaces, and Utensils                                                                                    | MPN                         |
| <b>PCR</b>                                                                                                                                          |                                                            |                                                                                                                     |                             |
| 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<br>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<br>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<br>Internal Methods                                | Surfaces, Utensils, Handlers, Waters and Food                                                                       | PCR                         |
| Detection of SARS-CoV-2 by Reverse Transcription and PCR                                                                                            | MQV-004<br>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<br>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<br>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<br>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<br>Internal Methods                        | Surfaces, Utensils, Handlers, Water and Food | PCR                         |
| SARS-CoV-2 by RT-qPCR                                                                                                                                                                                                                                                                                                                       | MQV-002<br>Internal Methods                        | Surfaces, Utensils, Handlers, and Food       | PCR                         |
| Detection of spoilage microorganisms in beer by PCR <ul style="list-style-type: none"> <li>• <i>Saccharomyces diastaticus</i></li> <li>• Acetic acid bacteria</li> <li>• <i>Brettanomyces</i></li> <li>• HOP resistant <i>Lactic acid bacteria</i></li> <li>• <i>Megasphaera</i></li> <li>• <i>Pectinatus</i></li> </ul>                    | MQV-019<br>Beer Spoilage micro test                | Beer                                         | PCR                         |
| Detection of spoilage microorganisms in wine by PCR <ul style="list-style-type: none"> <li>• <i>Saccharomyces</i></li> <li>• <i>Zygosaccharomyces</i></li> <li>• <i>Acetobacter/Gluconobacter</i></li> <li>• <i>Oenococcus</i></li> <li>• <i>Levilactobacillus</i></li> <li>• <i>Brettanomyces</i></li> <li>• <i>Pediococcus</i></li> </ul> | MQV-020<br>Wine Spoilage micro test                | Wine                                         | PCR                         |
| Detection of animal meat type DNA by PCR <ul style="list-style-type: none"> <li>• Beef</li> <li>• Lamb</li> <li>• Turkey</li> <li>• Horse</li> <li>• Goat</li> <li>• Pork</li> <li>• Chicken</li> </ul>                                                                                                                                     | MQV-021<br>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 |
|--------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Petrifilm Enumeration</b>                     |                                                    |                                                                                                                                                                        |                             |
| Aerobic Mesophiles                               | MQM-009<br>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<br>AOAC 986.33                             | Milk and Dairy Products                                                                                                                                                | Petrifilm                   |
| <i>E. coli</i>                                   | MQM-072<br>AOAC 998.08                             | Poultry and Seafood                                                                                                                                                    | Petrifilm                   |
| Enterobacteria                                   | MQM-015<br>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 – Rapid Yeast and Mold Petrifilm™ | MQM-058<br>AFNOR 3M / 13-07-14                     | 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<br>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<br>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                   |

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| 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<br>AOAC 991.14, 998.08<br>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<br>AOAC 986.33, 989.10                          | Milk and Dairy Products                                                                                                                                               | Petrifilm                   |
| <b>Vidas Detection</b>                        |                                                         |                                                                                                                                                                       |                             |
| <i>E. coli</i> O157                           | MQM-002<br>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<br>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<br>AFNOR N° BIO 12-11-03/04                     | Surfaces and Utensils                                                                                                                                                 | VIDAS                       |
| <i>Listeria</i> spp. – VIDAS UP               | MQM-057<br>AFNOR N° BIO 12/33-05/12                     | 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> – VIDAS XPRESS        | MQM-049<br>AFNOR N° BIO 12/27-02/10                     | 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<br>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<br>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       |
|-------------------------------------------|----------------------------------------------------|-------------------------------------------|-----------------------------------|
| <b>Electromagnetic Methods</b>            |                                                    |                                           |                                   |
| 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<br>(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                          |
| <b>GC Chromatography</b>                  |                                                    |                                           |                                   |
| 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"> <li>Benzo(a) anthracene</li> <li>Benzo (a) pyrene</li> <li>Benzo (b) fluoranthene</li> <li>Chrysene</li> </ul> | 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 <sup>1,2</sup> (Polar and Non-Polar) and Juices                                                                                                     | MQC-023                                            | Food, Dry/Fresh and Transformed Fruits and Vegetables, Wines, Fat, Animal Tissue, Feed, and Juices | GC-MS <sup>1</sup> , LC-MS/MS <sup>1</sup> and GC-MS/MS <sup>2</sup> |
| Sugar Profile                                                                                                                                                          | MQC-032                                            | Compound Feed, Food, Wines, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives    | GC-FID and HPLC-IR                                                   |
| <b>Gravimetric Tests</b>                                                                                                                                               |                                                    |                                                                                                    |                                                                      |
| 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                                                          |

This Scope of Accreditation, version 001, was last updated on: 29 May 2025 and is valid only when accompanied by the Certificate.

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## 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                                            | Meat Products                                                   | Gravimetric                 |
| Fat Content                               | MQQ-008                                            | Animal Feed                                                     | Gravimetric                 |
| Fat                                       | MQQ-022                                            | Cheese                                                          | 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                                            | Food                                                            | 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                 |

## Chemical

| Specific Tests and/or Properties Measured                 | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested                                                                                                                  | Key Equipment or Technology |
|-----------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Sulfate                                                   | SM 4500-SO <sub>4</sub> D                          | Drinking, Continental, and Utility Waters                                                                                                           | Gravimetric                 |
| 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                 |
| <b>HPLC Chromatography</b>                                |                                                    |                                                                                                                                                     |                             |
| 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                  | HPLC-DAD                    |
| 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<br>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"> <li>Ochratoxin A</li> <li>Aflatoxin B1</li> <li>Aflatoxin B2</li> <li>Aflatoxin G1</li> <li>Aflatoxin G2</li> </ul> | 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<br>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"> <li>A</li> <li>D2</li> <li>D3</li> </ul>                                                    | MQC-020                                            | Compound Feed, Vitamin Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives | HPLC DAD or UV/VIS          |
| Vitamins 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"> <li>B1</li> <li>B2</li> <li>B3</li> <li>B5</li> <li>B6</li> <li>B9</li> </ul> | MQC-047                                            | Compound Feed, Vitamin Premixes, Fish Muscle, Food, Dry/Fresh and Transformed Fruits and Vegetables, and Feed Additives | HPLC DAD or UV              |
| <b>Metals by AA</b>                                                                                                                     |                                                    |                                                                                                                         |                             |
| 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           |
| 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           |

## 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           |
| <b>Others</b>                             |                                                    |                                                                  |                             |
| Conductivity                              | MQQ-085<br>(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, ítem 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        |
| <b>Spectrophotometry</b>                  |                                                    |                                                                  |                             |
| Anisidine Value                           | MQQ-003                                            | Animal and Vegetable Fat, and Oil                                | UV/VIS                      |
| Boron                                     | SM 4500-B C                                        | Drinking Waters, Continental, and Utility Waters                 | Spectrophotometry           |
| Delta K ( $\Delta K$ )                    | MQQ-048                                            | Oils and Fats                                                    | Spectrophotometry           |

## Chemical

| Specific Tests and/or Properties Measured                                                         | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested                                                                                 | Key Equipment or Technology |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 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                                   | Volumetric                  |
| 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           |
| <b>UPLC-MS/MS Chromatography</b>                                                                  |                                                    |                                                                                                                    |                             |
| 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 $\beta$ -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                  |
| Nitrofurantoin                                                                                                                                                                               | 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                  |
| <b>Volumetric Tests</b>                                                                                                                                                                                                                                                                                                                                                                             |                                                    |                                                                                                            |                             |
| 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- CO <sub>2</sub> D               | Drinking Waters, Continental, and Utility Waters                                                           | Calculation                 |
| Chloride                                                                                                                                                                                                                                                                                                                                                                                            | SM 4500 Cl <sup>-</sup> 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                                            | Animal and Vegetable Fat, Oils, and Hydrobiological Products                                                                                        | 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                                                                                            | Volumetric                        |
| Total Volatile Nitrogen (BNTV)            | MQQ-040                                            | Hydrobiological Products                                                                                                                            | Volumetric                        |

<sup>1</sup> 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                  | Diafenthion    | 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      |
| Alachlor                        | Diffubenzuron  | Iprodione                                 | Pyridaben       |
| Aldicarb                        | Diffufenican   | 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      |

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

| Pesticide                 | Pesticide                   | Pesticide          | Pesticide                                       |
|---------------------------|-----------------------------|--------------------|-------------------------------------------------|
| Atrazine                  | Dinoseb                     | Lambda-Cyhalothrin | Quinclorac                                      |
| Azamethiphos              | Diphenylamine               | Lenacil            | Quinmerac                                       |
| Azinphos-ethyl            | Diquat dibromide hydrate    | Linuron            | Quinoxifen                                      |
| Azinphos-methyl           | Disulfoton                  | Lufenuron          | Quintozone                                      |
| Azoxystrobin              | Disulfoton Sulfoxide        | Malathion          | Quizalofop-ethyl                                |
| Benalaxyl                 | Disulfoton 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                                        |
| Biphenyl                  | Endothall                   | Metamitron         | Tebuconazole                                    |
| Bitertanol                | Epoconazole                 | Metazachlor        | Tebufenozide                                    |
| Boscalid                  | Esfenvalerate               | Methamidophos      | Tebufenpyrad                                    |
| Brodifacoum               | Ethalfuralin                | Methidathion       | Tecnazene                                       |
| Bromacil                  | Ethiofencarb                | Methiocarb         | Teflubenzuron                                   |
| Bromadiolone              | Ethion                      | Methomyl           | Tefluthrin                                      |
| Bromophos-ethyl           | Ethofumesate                | Methoxychlor       | Terbacil                                        |

This Scope of Accreditation, version 001, was last updated on: 29 May 2025 and is valid only when accompanied by the Certificate.

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

| Pesticide            | Pesticide                | Pesticide           | Pesticide          |
|----------------------|--------------------------|---------------------|--------------------|
| Bromophos-methyl     | Ethoprophos              | Methoxyfenozide     | Terbufos           |
| Bromopropylate       | Ethoxyquin               | Metolachlor         | Terbutylazine      |
| Bromoxynil           | Ethoxyquin Hydrochloride | Metrafenone         | Terbutryn          |
| Bromuconazole        | Etofenprox               | Metribuzin          | Tepraloxymid       |
| Bupirimate           | Etridiazole              | Mevinphos           | Tetrachlorvinfos   |
| 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  |
| 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         |

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

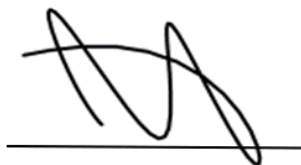
| Pesticide           | Pesticide                 | Pesticide          | Pesticide                   |
|---------------------|---------------------------|--------------------|-----------------------------|
| Chloropropylate     | Ferbam                    | Parathion(-ethyl)  | Trichlorfon                 |
| Chlorothalonil      | Fipronil                  | Paration-metyl     | Triclopyr                   |
| Chlorpropham        | Flzasulfuron              | 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             | -                           |
| 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        | -                           |

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

| Pesticide       | Pesticide             | Pesticide  | Pesticide |
|-----------------|-----------------------|------------|-----------|
| Demeton-S-Metil | Haloxypop (free acid) | Profenofos | -         |

<sup>2</sup> 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