

#### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### QUALIFIED SpA – PUERTO MONTT Guillermo Gallardo 565 Puerto Montt, CHILE Francisco Riveros Phone: +56-2 29829910

### BIOLOGICAL

Valid To: November 30, 2023

Certificate Number: 3921.08

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on <u>food</u>, <u>fruits</u>, <u>vegetables</u>, <u>juices</u>, <u>wines</u>, <u>meat</u>, <u>dairy products</u>, <u>prepared meal</u>, <u>eggs</u>, <u>fat</u>, <u>flour</u>, <u>animal products</u> and feed, <u>drinking water</u>, <u>continental water</u>, <u>utility water</u>, <u>surfaces</u>, <u>utensils</u>, <u>ambiances</u>, <u>and handlers</u>:

| Test/Matrices   | Test Method | <b><u>Reference Method(s)</u></b> |
|---|-------------|-----------------------------------|
| Detection (Presence/Absence)  | •           |                                   |
| <i>Cronobacter</i> spp and <i>C. sakazaki</i> in Food, Fruits, Vegetables,<br>Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal,<br>Sugar, Eggs, Flour, Animal Products and Feed, Surfaces,<br>Utensils, and Handlers | MQM-066     | ISO 22964                         |
| <i>Escherichia coli</i> in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers –<br>NMP                 | MQM-071     | ISO 7251                          |
| Enterobacteriaceae in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers                               | MQM-076     | ISO 21528                         |
| <i>Listeria monocytogenes</i> in Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Flour, and Animal Products and Feed  | MQM-003     | NCh 2657                          |
| L. monocytogenes on Hands, Surfaces, and Utensils   | MQM-031     | NCh 2657                          |
| <i>Listeria</i> spp. in Food, Fruits, Vegetables, Juices, Wines, Fat,<br>Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers                             | MQM-047     | NCh 2657                          |
| Mesophiles, Thermophiles, Aerobes and Anaerobes in Food,<br>Canned Food, Fruits, Vegetables, Juices, Wines, Fat, Flour,<br>and Animal Products and Feed   | MQM-005     | NCh 2731                          |

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| Test/Matrices   | Test Method | <b><u>Reference Method(s)</u></b>  |
|---|-------------|--|
| Salmonella in Food, Fruits, Vegetables, Juices, Wines, Meat,<br>Dairy Products, Prepared Meal, Eggs, Fat, Flour, and Animal<br>Products and Feed  | MQM-006     | NCh 2675   |
| Salmonella on Hands, Surfaces, and Utensils   | MQM-033     | NCh 2675   |
| Staphylococcus aureus – UEE in Hydrobiological Products and<br>Fishery Products in General  | MQM-062     | GOST 31746-2012<br>ISO 6888 3:2003<br>Manual Inocuidad y certificación –<br>Sernapesca |
| Total Coliforms in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers  | MQM-074     | NCh-ISO 4831   |
| Total Coliforms in Food, Fruits, Vegetables, Juices, Wines,<br>Meat, Dairy Products, Prepared Meal, Fat, Flour, and Animal<br>Products and Feed   | MQM-012     | Método Ministerio Salud de Japón<br>NCh 2635/2   |
| Total Coliforms – UEE in Hydrobiological Products and Fishery Products in General   | MQM-060     | GOST R 52816-2007  |
| <i>Vibrio parahaemolyticus</i> in Food, Fruits, Vegetables, Juices,<br>Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs,<br>Flour, Animal Products and Feed, Surfaces, Utensils, Handlers,<br>Hydrobiological Products, and Fishery Products in General | MQM-067     | ISO 21872-1  |
| Enumeration – Plate Count   | I           |  |
| Aerobic Mesophiles (30°C) in Food, Fruits, Vegetables, Juices,<br>Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs,<br>Flour, Animal Products and Feed, Surfaces, Utensils and<br>Handlers – P ate Count – UFC  | MQM-075     | ISO 4833-1   |
| Aerobic Mesophiles (35°C) in Food, Fruits, Vegetables, Juices,<br>Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs,<br>Flour, and Animal Products and Feed  | MQM-021     | NCh 2659   |
| Aerobic Mesophiles (35°C) – Free Sedimentation and Environments   | MQM-039     | Standard Methods for the<br>Examination of Dairy Products –<br>Free Sedimentation      |
| Aerobic Mesophiles (35°C) – Qualification on Ambiances,<br>Surfaces, and Utensils   | MQM-030     | ABC Research<br>NCh 2659   |
| Aerobic Mesophiles (35°C) on Hands, Surfaces, and Utensils  | MQM-040     | NCh 2659   |
| Aerobic Mesophiles and Facultative Anaerobes – UEE in<br>Hydrobiological Products and Fishery Products in General   | MQM-063     | GOST 10444.15-94<br>GOST 26669-85<br>GOST 26670-91<br>ISO 4833:2003                    |

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| Test/Matrices   | Test Method | <b><u>Reference Method(s)</u></b>  |
|---|-------------|--|
| <i>Bacillus cereus</i> in Food, Fruits, Vegetables, Juices, Wines,<br>Meat, Dairy Products, Prepared Meal, Fat, Flour, and Animal<br>Products and Feed  | MQM-010     | BAM Ch. 14   |
| <i>Clostridium perfringens</i> and Sulfite-Reducing Anaerobes in<br>Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy<br>Products, Prepared Meal, Flour, and Animal Products and Feed | MQM-011     | BAM Ch. 16   |
| Cultivable Microorganisms (22°C) in Drinking, Continental,<br>and Utility Waters  | MQM-068     | UNE-EN ISO 6222:1999   |
| Enterobacteriaceae in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>and Animal Products and Feed                               | MQM-016     | NCh 2676   |
| Enterobacteriaceae in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers | MQM-076     | ISO 21528  |
| Enterobacteriaceae on Hands, Surfaces, and Utensils   | MQM-036     | NCh 2676   |
| <i>E. coli</i> in Food and Surfaces   | MQM-053     | ISO 16649-2  |
| <i>E.coli</i> on Surfaces and Utensils  | MQM-043     | NCh 2636   |
| Fecal Enterococci in Drinking, Continental, and Utility Waters  | MQM-051     | ISO 7899-2   |
| Heterotrophs in Drinking, Continental, and Utility Waters   | MQM-056     | SM 9215-B  |
| <i>L. monocytogenes</i> CFU in Food, Fruits, Vegetables, Juices, Wines, Fats, Meat, Dairy Products, Prepared Meals, Sugars, Eggs, Flour, and Animal Products and Feed                         | MQM-019     | ISO 11290-2<br>NCh 2657/2  |
| Molds – UEE – Free Sedimentation on Ambiances   | MQM-065     | <ul> <li>Instrucciones para la definición y<br/>evaluación de la contaminación con<br/>mohos del aire y paredes de las<br/>cámaras frigoríficas de las Normas<br/>Sanitarias para Frigoríficos<br/>(aprobadas por el Médico Sanitario<br/>General del Estado de la URSS el<br/>29.09.1988 N4695-88) de la Unión<br/>Económica Euroasiática.</li> <li>Normas sanitarias para frigoríficos<br/>(aprobadas por el Médico Sanitario<br/>General del Estado de la URSS el<br/>29.09.1988 N4695-88) de la Unión<br/>Económica Euroasiática.</li> </ul> |

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| Test/Matrices  | Test Method | <b><u>Reference Method(s)</u></b>  |
|--|-------------|--|
| Molds – UEE in Hydrobiological Products and Fishery<br>Products in General   | MQM-064     | <ul> <li>Instrucciones para la definición y<br/>evaluación de la contaminación con<br/>mohos del aire y paredes de las<br/>cámaras frigoríficas de las Normas<br/>Sanitarias para Frigoríficos<br/>(aprobadas por el Médico Sanitario<br/>General del Estado de la URSS el<br/>29.09.1988 N4695-88) de la Unión<br/>Económica Euroasiática.</li> <li>Normas sanitarias para frigoríficos<br/>(aprobadas por el Médico Sanitario<br/>General del Estado de la URSS el<br/>29.09.1988 N4695-88) de la Unión<br/>Económica Euroasiática.</li> </ul> |
| Mold and Yeast – Free Sedimentation on Ambiances   | MQM-037     | Standard Methods for the<br>Examination of Dairy Products –<br>Free Sedimentation  |
| Mold and Yeast in Food, Fruits, Vegetables, Juices, Wines,<br>Meat, Dairy Products, Prepared Meals, Sugar, Eggs, Fat, Flour,<br>and Animal Products and Feed                             | MQM-018     | NCh 2734   |
| Mold and Yeast on Hands, Surfaces, and Utensils  | MQM-038     | NCh 2734   |
| <i>S. aureus</i> -Coagulase Positive CFU/g in Food, Fruits,<br>Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared<br>Meals, Sugar, Eggs, Flour, and Animal Products and Feed | MQM-023     | NCh 2671   |
| S. aureus on Handlers, Surfaces and Utensils   | MQM-042     | NCh 2671   |
| S. aureus on Hands, Surfaces, and Utensils   | MQM-041     | NCh 2671   |
| Total Coliforms in Food, Fruits, Vegetables, Juices, Wines,<br>Meat, Dairy Products, Prepared Meal, Fat, Flour, and Animal<br>Products and Feed  | MQM-012     | Método Ministerio Salud de Japón<br>NCh 2635/2   |
| Total Fecal Coliforms on Surfaces, Utensils, and Handlers  | MQM-035     | NCh 2635/2   |
| Membrane Filtration  | I           |  |
| C. perfringens in Drinking, Continental, and Utility Waters  | MQM-073     | DIRECTIVA 98/83 CE del consejo.  |
| <i>E. coli</i> and Coliform Bacteria – Detection and Counting by Chromogenic in Drinking, Continental, and Utility Waters  | MQM-027     | NCh 9308/1; SM 9222B, 9222D, 9222G   |
| L. monocytogenes in Drinking and Utility Waters  | MQM-052     | NCh 2657   |
| Salmonella spp. in Drinking and Utility Waters   | MQM-050     | SM 9260B   |

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| <u>Test/Matrices</u>  | Test Method | <b><u>Reference Method(s)</u></b>              |
|---|-------------|--|
| Total Coliforms and <i>E. coli</i> in Drinking, Continental, and Utility Waters   | MQM-026     | NCh 1620/2<br>ME-02-2007                       |
| MPN   | 1           |  |
| <i>E. coli</i> in Food, Fruits, Vegetables, Juices, Wines, Fat, Meat,<br>Dairy Products, Prepared Meal, Sugar, Eggs, Flour, and<br>Animal Products and Feed                                 | MQM-017     | NCh 2636                                       |
| <i>E. coli</i> in Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products and Feed, Surfaces, Utensils, and Handlers – NMP   | MQM-071     | ISO 7251                                       |
| <i>S. aureus</i> -Coagulase Positive MPN in Food, Fruits,<br>Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared<br>Meal, Sugar, Eggs, Flour, and Animal Products and Feed       | MQM-024     | NCh 2828                                       |
| Total Coliforms and <i>E. coli</i> in Drinking, Continental, and Utility Waters   | MQM-025     | NCh 1620/1<br>ME-01-2007                       |
| Total Coliforms in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers  | MQM-074     | NCh-ISO 4831                                   |
| Total Coliforms – UEE in Hydrobiological Products and<br>Fishery Products in General  | MQM-061     | GOST 26669-85<br>GOST R 52816-2007<br>ISO 4831 |
| Total and Fecal Coliforms, and <i>E. coli</i> ISO in Drinking,<br>Continental, and Utility Waters   | MQM-028     | SM 9221B, 9221E, 9221F                         |
| Total and Fecal Coliforms, and <i>E. coli</i> on Manipulators,<br>Surfaces, and Utensils  | MQM-048     | NCh 2635/1,<br>NCh 2636                        |
| Total and Fecal Coliforms in Food, Fruits, Vegetables, Juices,<br>Wines, Fat, Meat, Dairy Products, Prepared Meal, Flour, and<br>Animal Products and Feed                                   | MQM-013     | NCh 2635/1                                     |
| <i>V. parahaemolyticus</i> in Hydrobiological Products and Fishery Products in General  | MQM-055     | BAM Ch. 9                                      |
| Petrifilm Enumeration   | 1           |  |
| Aerobic Mesophiles in Food, Fruits, Vegetables, Juices, Meat,<br>Dairy Products, Prepared Meals, Wines, Fat, Flour, Animal<br>Products, Feed, Surfaces, Utensils, and Handlers              | MQM-009     | AOAC 990.12                                    |
| Aerobic Mesophiles in Milk and Dairy Products   | MQM-069     | AOAC 986.33                                    |
| Coliforms and <i>E. coli</i> in Food, Fruits, Vegetables, Meat, Dairy<br>Products, Prepared Meals, Juices, Wines, Fat, Flour, Animal<br>Products and Feed, Surfaces, Utensils, and Handlers | MQM-014     | AOAC 991.14, 998.08                            |
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| Test/Matrices  | Test Method | <b><u>Reference Method(s)</u></b> |
|--|-------------|-----------------------------------|
| E.coli in Poultry and Seafood  | MQM-072     | AOAC 998.08                       |
| Enterobacteriaceae in Food, Fruits, Vegetables, Juices, Wines,<br>Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Fat, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers  | MQM-015     | AOAC 2003.01                      |
| Mold and Yeast – 3M <sup>TM</sup> Rapid Yeast and Mold Petrifilm <sup>TM</sup> in<br>Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy<br>Products, Prepared Meal, Sugar, Eggs, Flour, Animal Products<br>and Feed, Surfaces, Utensils, and Handlers | MQM-058     | AFNOR 3M 01/13-07-14              |
| Mold and Yeast in Food, Fruits, Vegetables, Juices, Wines,<br>Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products and Feed, Surfaces, Utensils, and Handlers  | MQM-046     | AOAC 997.02                       |
| <i>S. aureus</i> in Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Pastas, Flour, and Animal Products and Feed  | MQM-022     | AOAC 2003.07, 2003.08             |
| Total Coliforms in Milk and Dairy Products   | MQM-070     | AOAC 986.33, 989.10               |
| VIDAS Detection  |             |                                   |
| <i>E.coli</i> O157 in Food, Fruits, Vegetables, Juices, Wines, Fat,<br>Meat, Dairy Products, Prepared Meal, Sugar, Eggs, Flour,<br>Animal Products, and Feed   | MQM-002     | AFNOR N° BIO 12/25-05/09          |
| <i>L. monocytogenes</i> in Food, Fruits, Vegetables, Juices, Wines, Fat, Meat, Flour, Animal Products, Feed, Surfaces, Handler and Utensils  | MQM-004     | AFNOR N° BIO 12-11-03/04          |
| L. monocytogenes on Surfaces, Handler and Utensils   | MQM-032     | AFNOR N°BIO 12-11-03/04           |
| <i>L. monocytogenes</i> (VIDAS XPRESS) in Food, Fruits,<br>Vegetables, Juices, Wines, Fat, Meat, Dairy Products, Prepared<br>Meal, Sugar, Eggs, Flour, Animal Products, Feed, Surfaces,<br>Utensils and Handlers   | MQM-049     | AFNOR N°BIO 12/27-02/10           |
| <i>Listeria spp.</i> (VIDAS UP) in Food, Fruits, Vegetables, Juices,<br>Wines, Fat, Meat, Dairy Products, Prepared Meal, Eggs, Flour,<br>Animal Products, and Feed on Handlers, Surfaces and Utensils  | MQM-057     | AFNOR N°BIO 12/33-05/12           |
| <i>Salmonella</i> in Food, Fruits, Vegetables, Juices, Wines, Fat,<br>Meat, Dairy Products, Prepared Meal, Eggs, Flour, Animal<br>Products, and Feed   | MQM-008     | AFNOR N°BIO 12/16-09/05           |
| Salmonella (VIDAS) on Handlers, Surfaces, and Utensils   | MQM-034     | AFNOR N°BIO 12/16-09/05           |
| PCR  |             |                                   |

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| Test/Matrices   | Test Method | <b><u>Reference Method(s)</u></b>  |
|---|-------------|--|
| Detection of SARS-CoV-2 by Reverse Transcription and PCR<br>on Surfaces, Utensils, Handlers, and Food | MQV-004     | <ul> <li>CDC 2019-Novel Coronavirus<br/>(2019-nCoV)</li> <li>Corman, et al 2020. Detection of<br/>2019 novel coronavirus (2019-<br/>nCoV) by real-time RT-PCR. Euro<br/>Surveill 2020;25(3)</li> <li>Jung et al, 2020. Comparative<br/>analysis of primer-probe sets for the<br/>laboratory confirmation of SARS-<br/>CoV-2.</li> <li>Lu et al, 2020. US CDC Real-<br/>Time Reverse Transcription PCR<br/>Panel for Detection of Severe Acute<br/>Respiratory Syndrome Coronavirus<br/>2. Emerg Infect Dis. 2020;<br/>26(8):1654-1665.</li> <li>Nalla et al, 2020. Compararive<br/>performance of SARS-CoV-2<br/>detection assays using seven<br/>different primer/probe sets and one<br/>assay kit. J Clin Microbiol 2020</li> <li>Reina y Suarez, 2020. Evaluación<br/>de diferentes genes en la detección<br/>por RT-PCR del SARSCoV-2 en<br/>muestras respiratorias y su<br/>evolución en la infección. Rev Esp<br/>Quimioter. 2020; 33(4): 292–293.</li> <li>Sieburth PJ, Irey M, Garnsey SM<br/>and Owens RA. 2002. The use of<br/>RT-PCR in the Florida citrus viroid<br/>indexing program. Pp. 230-239. In:<br/>Duran Vila N, Milne RG, and da<br/>Grafa JV (eds.). Proceedings of the<br/>15th IOCV Conference. Riverside,<br/>CA. 456p.</li> <li>Wang X, Zhou C, Tang K, Zhou<br/>Y and Li K. 2009. A rapid one-step<br/>multiplex RT-PCR assay for the<br/>simultaneous detection of five<br/>citrus viroids in China. European<br/>Journal Plant Pathology 124: 175-<br/>180.</li> </ul> |

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| Test/Matrices  | Test Method | <b><u>Reference Method(s)</u></b>   |
|--|-------------|---|
| Detection of <i>Salmonella</i> and <i>L. monocytogenes</i> by Duplex<br>PCR Final Point on Surfaces, Utensils, Handlers, Waters, and<br>Food | MQV-008     | <ul> <li>Furrer et al, 1991. Detection and identification of <i>Listeria</i> monocytogenes in cooked sausage products and in milk by in vitro amplification of haemolysin gene fragments. J. Appl. Bacteriol. 70:372–379.</li> <li>Shome, et al, 2011. Multiplex PCR assay for species identification of bovine mastitis pathogens. J. Appl. Microbiol. 111 (6):1349-1356.</li> <li>Tsen, et al, 1994. Possible use of a polymerase chain reaction method for specific detection of <i>Salmonella</i> in beef. J. Ferment. Bioeng. 77:137–143.</li> <li>Zhang et al, 2009. Simultaneous detection of <i>Listeria</i> monocytogenes, Staphylococcus aureus, Salmonella enterica and <i>Escherichia coli</i> O157:H7 in food samples using multiplex PCR method. J. Food Safety. 29(3): 348-363.</li> </ul> |
| Detection of <i>S. aureus</i> and <i>E. coli</i> by Multiplex PCR Final<br>Point on Surfaces, Utensils, Handlers, Waters, and Food           | MQV-007     | <ul> <li>Furrer et al, 1991. Detection and identification of <i>Listeria</i> monocytogenes in cooked sausage products and in milk by in vitro amplification of haemolysin gene fragments. J. Appl. Bacteriol. 70:372–379.</li> <li>Shome, et al, 2011. Multiplex PCR assay for species identification of bovine mastitis pathogens. J. Appl. Microbiol. 111 (6):1349-1356.</li> <li>Tsen, et al, 1994. Possible use of a polymerase chain reaction method for specific detection of <i>Salmonella</i> in beef. J. Ferment. Bioeng. 77:137–143.</li> <li>Zhang et al, 2009. Simultaneous detection of <i>Listeria</i> monocytogenes, Staphylococcus aureus, Salmonella enterica and <i>Escherichia coli</i> O157:h7 in food samples using multiplex PCR method. J. Food Safety. 29(3): 348-363.</li> </ul> |

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| Test/Matrices   | Test Method | <b>Reference Method(s)</b>   |
|---|-------------|--|
| Detection of S. <i>aureus, Salmonella, L. monocytogenes</i> , and <i>E. coli</i> by Multiplex PCR Final Point on Surfaces, Utensils, Handlers, Waters, and Food | MQV-006     | <ul> <li>Furrer et al, 1991. Detection and<br/>identification of <i>Listeria</i><br/><i>monocytogenes</i> in cooked sausage<br/>products and in milk by in vitro<br/>amplification of haemolysin gene<br/>fragments. J. Appl. Bacteriol.<br/>70:372–379.</li> <li>Shome, et al, 2011. Multiplex<br/>PCR assay for species identification<br/>of bovine mastitis pathogens. J.<br/>Appl. Microbiol. 111 (6):1349-<br/>1356.</li> <li>Tsen, et al, 1994. Possible use of a<br/>polymerase chain reaction method<br/>for specific detection of <i>Salmonella</i><br/>in beef. J. Ferment. Bioeng.<br/>77:137–143.</li> <li>Zhang et al, 2009. Simultaneous<br/>detection of <i>Listeria</i><br/><i>monocytogenes, Staphylococcus</i><br/><i>aureus, Salmonella enterica</i> and<br/><i>Escherichia coli</i> O157:h7 in food<br/>samples using multiplex PCR<br/>method. J. Food Safety. 29(3): 348-<br/>363.</li> </ul> |

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| Test/Matrices  | <b>Test Method</b> | <b><u>Reference Method(s)</u></b>   |
|--|--------------------|---|
| SARS-CoV-2 by RT-qPCR on Surfaces, Utensils, Handlers,<br>and Food   | MQV-002            | <ul> <li>- CDC 2019-Novel Coronavirus<br/>(2019-nCoV)</li> <li>- Corman, et al 2020. Detection of<br/>2019 novel coronavirus (2019-<br/>nCoV) by real-time RT-PCR. Euro<br/>Surveill 2020;25(3)</li> <li>- Elfiky AA. SARS-CoV-2 RNA<br/>dependent RNA polymerase<br/>(RdRp) targeting: an in silico<br/>perspective. J Biomol Struct<br/>Dynamics [internet]. 2020 May.</li> <li>- Jung et al, 2020. Comparative<br/>analysis of primer-probe sets for the<br/>laboratory confirmation of SARS-<br/>CoV-2.</li> <li>- Lu et al, 2020. US CDC Real-<br/>Time Reverse Transcription PCR<br/>Panel for Detection of Severe Acute<br/>Respiratory Syndrome Coronavirus<br/>2. Emerg Infect Dis. 2020;<br/>26(8):1654-1665.</li> <li>- Nalla et al, 2020. Comparative<br/>performance of SARS-CoV-2<br/>detection assays using seven<br/>different primer/probe sets and one<br/>assay kit. J Clin Microbiol 2020</li> <li>- Onoda M, Martínez Chamorro<br/>MJ; Grupo de Patología Infecciosa<br/>de la Asociación Española de<br/>Pediatría de Atención Primaria.<br/>Pruebas diagnósticas de laboratorio<br/>de COVID-19 [internet]. España:<br/>Sociedad Española de Pediatría de<br/>Atención Primaria; abr. 2020.</li> <li>- Reina y Suarez, 2020. Evaluación<br/>de diferentes genes en la detección<br/>por RT-PCR del SARSCoV-2 en<br/>muestras respiratorias y su<br/>evolución en la infección. Rev Esp<br/>Quimioter. 2020; 33(4): 292–293.</li> </ul> |
| Sensory Evaluation   | Γ                  |   |
| Species, Presentation, Appearance, Parasites, Smell, Color, and<br>Texture in Salmon Fillet, Fresh or Processed Fish and<br>Cephalopods, Frozen Fish and Cephalopods (Raw and<br>Cooked) | MQM-077            | Sernapesca Manual de Inocuidad y<br>Certificación Parte II: Sección III<br>Control de Exportación y<br>Certificación y Sección IV<br>Autorización y Control de<br>Entidades de Análisis, Muestreo y<br>Muestreadores  |

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| Test/Matrices   | Test Method | <b><u>Reference Method(s)</u></b>  |
|---|-------------|--|
| Species, Presentation, Appearance, Parasites, Smell, Color,<br>Taste, and Texture in Smoked Fish Products   | MQM-077     | Sernapesca Manual de Inocuidad y<br>Certificación Parte II: Sección III<br>Control de Exportación y<br>Certificación y Sección IV<br>Autorización y Control de<br>Entidades de Análisis, Muestreo y<br>Muestreadores |
| Species, Presentation, Appearance, Smell, Color, and Texture<br>in Frozen Bivalve Mollusks (Raw and Cooked) | MQM-077     | Sernapesca Manual de Inocuidad y<br>Certificación Parte II: Sección III<br>Control de Exportación y<br>Certificación y Sección IV<br>Autorización y Control de<br>Entidades de Análisis, Muestreo y<br>Muestreadores |

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## **Accredited Laboratory**

A2LA has accredited

# QUALIFIED SpA – PUERTO MONTT

Puerto Montt, CHILE

for technical competence in the field of

### **Biological Testing**

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



Presented this 19th day of October 2021.

Vice President, Accreditation Services For the Accreditation Council Certificate Number 3921.08 Valid to November 30, 2023

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