



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

QUALITY LAB LTDA.
Ruta J55 km 8 (Fundo El Techo, Lote 10)
Camino Los Queñes Curico, Chile
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BIOLOGICAL

Valid To: January 31, 2021

Certificate Number: 4861.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on food products, water and environmental samples:

| <u>Test Type/Technology</u> | <u>Test Method/Reference Method</u> |
|---|---|
| Aerobic, Plate Count | FDA/BAM Chapter 3 FDA/BAM Chapter 3 ISO 4833-1 |
| <i>Bacillus cereus</i> , Plate Count | FDA/BAM Chapter 14 |
| <i>Clostridium perfringens</i> , Plate Count | FDA/BAM Chapter 16 ISO 14189 |
| Detection and Enumeration of <i>Listeria</i> spp. and <i>monocytogenes</i> | ISO 11290 Part 1-2 ISO 11290 Part 1-2 ISO 11290 Part 1-2 FDA/BAM Chapter 10 FDA/BAM Chapter 10 Laboratory Guidebook Notice of Change, MLG 8.11, USDA |
| Detection of Shiga Toxin-Producing <i>Escherichia coli</i> (STEC) and the Determination of O26, O45, O103, O111, O121, O145 and O157 Serogroups by PCR | ISO/TS 13136 and AOAC Certificate N°121806 |
| Enterobacteriaceae, Plate Count | ISO 21528 Part 1- 2 NCh2676. NCh2676. |
| Enumeration of Culturable Micro-Organisms | ISO 6222 |

| <u>Test Type/Technology</u> | <u>Test Method/Reference Method</u> |
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| <i>E. coli</i> and Coliform Bacteria, Plate Count, MPN | FDA/BAM Chapter 4 FDA/BAM Chapter 4 |
| Fecal Enterococcus/Streptococcus, MPN | SM 9230 B |
| Heat-resistant Molds, Plate Count | APHA, Compendium of Methods Chapter 21 |
| Hepatitis A Virus and Norovirus GI, GII by PCR | ISO 15216-2 |
| Heterotrophic, Plate Count | SM 9215 B |
| Howard Mold Counting | Microscopic |
| Mesophilic Aerobic Count | AOAC 966.23 |
| Petrifilm Techniques, Count Aerobic, Plate Count | AOAC 986.33 or 990.12 or 989.10 |
| Yeasts and Molds | AOAC 2014.05 |
| Total Coliforms, <i>E.Coli</i> | AOAC 991.14 or 998.08 |
| <i>Staphylococcus aureus</i> | AOAC 2003.07 or 2003.08 or 2003.11 |
| <i>Listeria</i> | AOAC Certificate N°030601 |
| <i>Pseudomona aeruginosa</i> Plate Count MPN | SM 9213 E SM 9213 F |
| Reducing Sulfite Anaerobic Bacteria, Plate Count | ISO 15213 |
| <i>Salmonella</i> spp. Detection | FDA/BAM Chapter 5 NCh2675. NCh2675. FDA/BAM Salmonella in Water, Version 1 |
| Sampling Utensils, Surfaces, Environment and Manipulators | NCh3057 ISO 18593 ISO 17728 |
| Sampling of Food for Human Consumption and Food for Animal Consumption | ISO 707 ICMSF, Microorganisms in Foods 2: Sampling for Microbiological Analysis: Principles and Specific Applications |

| <u>Test Type/Technology</u> | <u>Test Method/Reference Method</u> |
|--|--|
| <i>Staphylococcus aureus</i> , <i>Staphylococcus</i> spp. <i>Staphylococcus</i> coagulase positive Plate count, MNP | FDA/BAM Chapter 12 NCh2671 NCh2828 FDA/BAM Chapter 12 NCh2671 NCh2828 |
| TEMPO Techniques, Count TEMPO YM (molds/yeasts) TEMPO STA (<i>S. aureus</i>) TEMPO BC (<i>Bacillus cereus</i>) TEMPO EB (Enterobacteriaceae) TEMPO EC (<i>E. coli</i>) TEMPO TC (Total Coliforms) TEMPO CC (Coliforms Count) TEMPO LAB (Lactic Bacteria) TEMPO AC (Aerobic Bacteria Count) TEMPO CAM (Campylobacter) | AOAC RI Certificate N° 041001 Ref. 80001 AFNOR BIO 12/28-04/10 - AOAC RI Certificate N° 120901 Ref. 80002 AOAC RI Certificate N° 071401 Ref. 80106 AFNOR BIO 12/21-12/06 - AOAC RI Certificate N°050801 Ref. 80003 AFNOR BIO 12/13-02/05 AOAC RI Certificate N° 080603 AOAC Official Methods 2009.02 Ref. 80004 AFNOR BIO 12/17-12/05 Ref. 80006 AOAC RI Certificate N°060702 Ref. 80044 TEMPO LAB Ref. 80071 AFNOR BIO 12/35-05/13 - AOAC RI Certificate N° 121204 Ref. 411113 TEMPO CAM Ref. 421509 |
| Total Coliforms, Fecal Coliform and <i>E. coli</i> , Colilert, MPN | SM 9223 B SM 9221 B SM 9221 E SM 9221 F ME-01-2007 |
| Total coliforms, Fecal Coliform and <i>E. coli</i> , Membrane Filtration, Plate count | SM 9222 B |
| <i>Vibrio cholerae</i> , Detection | FDA/BAM Chapter 9 SM 9260 H |

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|--|--|
| VIDAS Techniques, Detection VIDAS DUO <i>Listeria</i> spp. and <i>L. monocytogenes</i> VIDAS UP <i>Listeria</i> (LPT) | AFNOR BIO 12/18-03/06 AOAC Certificate N°100702 AFNOR BIO-12/33-05/12 - AOAC 2013.10 Ref. 30126 |
| VIDAS (LMX) <i>L. monocytogenes</i> Xpress | AFNOR BIO-12/27-02/10 - AOAC 2013.11 Ref. 30123 |
| VIDAS UP (SPT) <i>Salmonella</i> spp. | AFNOR BIO -12/32-10/11 - AOAC 2013.01 Ref. 30707 |
| VIDAS (SLM) <i>Salmonella</i> spp. | AFNOR BIO-12/16-09/05 - AFNOR BIO-12/1-04/94 - AFNOR BIO-12/10-09/02 - AOAC 2004.03 - AOAC 996.08 - AOAC 2011.03 AOAC RI Certificate N° 020901 Ref. 30702 |
| VIDAS UP (ECPT), <i>E. coli</i> O157 (Including H7) | AFNOR BIO-12/25-05/09 Ref. 30122 - AOAC RI Certificate N°060903 |
| Wine Analysis, Plate Count Mold Yeasts Lactic Bacteria Acetic Bacteria | Compendium of International Methods of Analysis of Wines and Must, OIV |
| Yeasts and Molds, Plate Count | FDA/BAM Chapter 18 ISO 21527-2 NCh 2734. NCh 2734. SM 9610 B, C, D |

| <u>Test Type/Technology</u> | <u>Test Method/Reference Method</u> |
|-----------------------------|--|
| Fecal Coliform, MPN | SM 9221 E1 - NCh2313/22. SM 9221 E2 - NCh2313/23. |



Accredited Laboratory

A2LA has accredited

QUALITY LAB LTDA

Curico, 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 13th day of September 2018.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4861.01
Valid to January 31, 2021
Revised December 18, 2020

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