



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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CHEMICAL

Valid To: November 30, 2020

Certificate Number: 4861.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this organization to perform recognized methods using the following testing technologies and in the analyte categories identified below:

Wastewater

<u>Parameter</u>	<u>Test Method/Reference Method</u>
Al, Ba, Be, Ca, V Mo	SM 3111 D NCh2313/13
As, Se	SM 3114 C NCh2313/9 SM 3114 C NCh2313/30
BOD5	SM 5210 B NCh2313/5
Ca, Cd, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn	SM 3111B NCh2313/10
Chloride	SM 4500-Cl B NCh2313/32
COD	SM 5220 D NCh2313/24
Cyanide	SM 4500-CN C NCh2313/14
Fluoride	SM 4500 F B NCh2313/33
Foaming Power	NCh2313/21
Hexavalent Chromium	SM 3111 C NCh2313/11

<b><u>Parameter</u></b>	<b><u>Test Method/Reference Method</u></b>
Hg	SM 3112 B NCh2313/12
Nitrogen Ammonia	SM 4500 NH3 D NCh2313/16
Oils and Fats	SM 5520 D NCh2313/6
pH	SM 4500 H B NCh2313/1
Phenol Index	SM 5530 C NCh2313/19
Settleable Solids	SM 2540 F NCh2313/4
Sulfates	SM 4500 SO4 C NCh2313/18
Sulfides	SM 4500 S G NCh2313/17
Temperature	SM 2550 B NCh2313/2
Total Nitrogen Kjeldahl	SM 4500 Norg B NCh2313/28
Total Phosphorus	SM 4500 P C NCh2313/15
Total Suspended Solids	SM 2540 D NCh2313/3

**Drinking Water, Superficial Water, Underground Water**

<b><u>Parameter</u></b>	<b><u>Test Method/Reference Method</u></b>
Ag, Ca, Co, K, Li, Na, Ni Cd, Cr, Cu, Fe, Mg, Mn, Pb, Zn	SM 3111 B SM 3111 B ME-13-2007 SM 3111 B ME-05-2007 SM 3111 B ME-04-2007 SM 3111 B ME-07-2007 SM 3111 B ME-09-2007 SM 3111 B ME-08-2007 SM 3111 B ME-18-2007 SM 3111 B ME-11-2007
Al, Ba, Be, Ca, Mo, V	SM 3111 D
Alkalinity	SM 2320 B
Ammonia	SM 4500 NH3 D ME-27-2007
As, Se	SM 3114 C ME-12-2007 SM 3114 C ME-10-2007
Chloride	SM 4500-CI B ME-28-2007
Conductivity	SM-2510 B
Cyanide	SM 4500-CN E ME-14-2007
Dissolved Oxygen	SM 4500-O G
Flavor	ME-26-2013
Fluoride	SM 4500 FC ME-06-2007
Free and Total Chlorine Determination	SM 4500-CI G
Hg	SM 3112 B ME-15-2007
Nitrate	SM 4500 NO3 D ME-16-2007
Nitrite	SM 4500-NO2 B ME-17-2007

<u>Parameter</u>	<u>Test Method/Reference Method</u>
Odor	ME-25-2013
pH	SM 4500 HB ME-29-2007
Phenolic Compounds	SM 5530C ME-32-2007
Reason Nitrate Nitrite (RAS)	NCh1333
Sulfate	SM 4500-SO4 D ME-30-2007
Temperature	SM 2550 B
Theoretical Hardness	SM 2340C
Total Dissolved Solids	SM 2540C ME-31-2007
True Color	SM 2120 B ME-24-2007
Turbidity	SM 2130 B ME-03-2007

**Foods: Fruits, Vegetables, Fresh, Frozen, Juices and Dehydrated; Feed, Wines**

<u>Parameter</u>	<u>Test Method/Reference Method</u>
As, Se (AA, Hydride Generation)	AOAC 986.15
Cd, Cu, Fe, Pb, Zn Ca, Cu, Fe, K, Na, Mg, Zn	AOAC 999.10 AOAC 999.11 AOAC 985.35
Hg (AA, Cold Vapor)	NCh 2667

**Foods: Fruits, Vegetables, Fresh, Frozen, Juices and Dehydrated; Feed**

<b><u>Parameter</u></b>	<b><u>Test Method/Reference Method</u></b>
Al, Sn	AA, Flame
Ash	Gravimetric
Fat	Gravimetric
Moisture	Gravimetric
Mycotoxins by ELISA; Aflatoxins and Ochratoxins	ELISA
pH	Electrometric
Protein by Kjeldahl	Volumetric
Raw Fiber	Gravimetric
Soluble Solids	Refractometry
Titrateable Acidity	Potentiometer
Total Sugars	UV Spectrophotometric
Water Activity	AOAC 978.18





## Accredited Laboratory

A2LA has accredited

### QUALITY LAB LTDA

Curico, CHILE

for technical competence in the field of

### Chemical Testing

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



Presented this 29<sup>th</sup> day of October 2019.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4861.02  
Valid to November 30, 2020  
Revised September 25, 2020

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