



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: June 30, 2022

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 in the analyte categories identified below:

Wastewater

<u>Parameter</u>	<u>Reference Method</u>
Al (Aluminum), Ba (Barium), Be (Beryllium), Ca (Calcium), V (Vanadium) Mo (Molybdenum)	SM 3111 D NCh2313/13
As (Arsenic) Se (Selenium)	SM 3114 C NCh2313/9 SM 3114 C NCh2313/30
BOD5	SM 5210 B NCh2313/5
Ca (Calcium), Cd (Cadmium), Cr (Chrome), Cu (Copper), Fe (Iron), Mg (Magnesium), Mn (Manganese), Ni (Nickel), Pb (Lead), Zn (Zinc)	SM 3111B NCh2313/10
Chloride	SM 4500-Cl B NCh2313/32
COD	SM 5220 D NCh2313/24
Cyanide	SM 4500-CN E
Fluoride	SM 4500 F BC NCh2313/33
Foaming Power	NCh2313/21
Hexavalent Chromium	SM 3500 B

<u>Parameter</u>	<u>Reference Method</u>
Hg (Mercury)	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+D
Settleable Solids	SM 2540 F NCh2313/4
Sulfates	SM 4500 SO <sub>4</sub> 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>Reference Method</u></b>
Ag (Silver), Ca (Calcium), Co (Cobalt), K (Potassium), Li (Lithium), Na (Sodium), Ni (Nickel) Cd (Cadmium), Cr (Chrome), Cu (Copper), Fe (Iron), Mg (Magnesium), Mn (Manganese), Pb (Lead), Zn (Zinc)	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 (Aluminum), Ba (Barium), Be (Beryllium), Ca (Calcium), Mo (Molybdenum), V (Vanadium)	SM 3111 D
Alkalinity	SM 2320 B
Ammonia	SM 4500 NH3 D ME-27-2007
As (Arsenic) Se (Selenium)	SM 3114 C ME-12-2007 SM 3114 C ME-10-2007
B (Boron)	DIN 38405-17
Chloride	SM 4500-ClB 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 F-C ME-06-2007
Hardness, Theoretical Hardness	SM 2340



<b><u>Parameter</u></b>	<b><u>Reference Method</u></b>
Hg (Mercury)	SM 3112 B ME-15-2007
Nitrate	SM 4500 NO3 D ME-16-2007
Nitrate Nitrite Ratio by Calculation	NCh 409
Nitrite	SM 4500-NO2 B ME-17-2007
Odor	ME-25-2013
pH	SM 4500 HB ME-29-2007
Phenolic Compounds	SM 5530C ME-32-2007
Percentual Sodium by Calculation	NCh 1333
RAS (Sodium Adsorption Ratio) by calculation	NCh1333
Residual Free Chlorine Total Chlorine	SM 4500-Cl G
Sulfate	SM 4500-SO4 D ME-30-2007
Temperature	SM 2550 B
Total Dissolved Solids	SM 2540C ME-31-2007
True Color	SM 2120 B ME-24-2007
Turbidity	SM 2130 B ME-03-2007



**Determination in Foods, Processed Food, Fruits, Vegetables, Fresh, Frozen, and Dehydrated Juices, Seafood Products, Milk, Grains, Flour, Feed, and Wines**

<b><u>Parameter</u></b>	<b><u>Test Method</u></b>
Ag (Silver) Al (Aluminum), Sn (Tin) Ba (Barium) (AA, Flame)	ITEQ 03-22 ITEQ 03-17 ITEQ 03-21
Allergens by ELISA: Egg White Gluten G-12	ITEQ 03-01
As (Arsenic), Se (Selenium) (AA, Hydride Generation)	ITEQ 03-18
Ash	ITEQ 03-07
Calories by Calculation (CAC/GL 2-1985)	ITEQ 03-20
Cd (Cadmium), Cu (Copper), Fe (Iron), Pb (Lead), Zn (Zinc) Ca (Calcium), K (Potassium), Na (Sodium), Mg (Magnesium) (AA, Flame)	ITEQ 03-16
Fat	ITEQ 03-19
Hg (Mercury) (AA, Cold Vapor)	ITEQ 03-15
Moisture	ITEQ 03-08
Mycotoxins by ELISA: Total Aflatoxins Ochratoxins	ITEQ 03-01
pH	ITEQ 03-05
Protein by Kjeldahl	ITEQ 03-13
Raw Fiber	ITEQ 03-11
Soluble Solids	ITEQ 03-04
Titrateable Acidity	ITEQ 03-06
Total Sugars	ITEQ 03-09
Water Activity	ITEQ 03-10



# 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 1<sup>st</sup> day of February 2021.

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 June 30, 2022

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