



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, 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</u>	<u>Reference Method</u>
Al, Ba, Be, Ca, Mo, V	ITEQ 01-22	SM 3111 D NCh2313/13
As, Se	ITEQ 01-20 ITEQ 01-20	SM 3114 C NCh2313/9 SM 3114 C NCh2313/30
BOD5	ITEQ 01-03	SM 5210 B NCh2313/5
Ca, Cd, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Zn	ITEQ 01-21	SM 3111B NCh2313/10
Chloride	ITEQ 01-18	SM 4500-CI B NCh2313/32
COD	ITEQ 01-02	SM 5220 D NCh2313/24
Cyanide	ITEQ 01-16	SM 4500-CN C NCh2313/14
Fluoride	ITEQ 01-15	SM 4500 F B NCh2313/33
Foaming Power	ITEQ 01-10	NCh2313/21

<u>Parameter</u>	<u>Test Method</u>	<u>Reference Method</u>
Hexavalent Chromium	ITEQ 01-17	SM 3111 C NCh2313/11
Hg	ITEQ 01-19	SM 3112 B NCh2313/12
Nitrogen Ammonia	ITEQ 01-11	SM 4500 NH3 D NCh2313/16
Oils and Fats	ITEQ 01-01	SM 5520 D NCh2313/6
pH	ITEQ 01-09	SM 4500 H B NCh2313/1
Phenol Index	ITEQ 01-12	SM 5530 C NCh2313/19
Settleable Solids	ITEQ 01-07	SM 2540 F NCh2313/4
Sulfates	ITEQ 01-08	SM 4500 SO4 C NCh2313/18
Sulfides	ITEQ 01-14	SM 4500 S G NCh2313/17
Temperature	ITEQ 01-13	SM 2550 B NCh2313/2
Total Nitrogen Kjeldahl	ITEQ 01-05	SM 4500 Norg B NCh2313/28
Total Phosphorus	ITEQ 01-04	SM 4500 P C NCh2313/15
Total Suspended Solids	ITEQ 01-06	SM 2540 D NCh2313/3



Drinking Water, Superficial Water, Underground Water

<u>Parameter</u>	<u>Test Method</u>	<u>Reference Method</u>
Ag, Ca, Co, K, Li, Na, Ni Cd, Cr, Cu, Fe, Mg, Mn, Pb, Zn	ITEQ 02-34 ITEQ 02-08 ITEQ 02-09 ITEQ 02-10 ITEQ 02-11 ITEQ 02-12 ITEQ 02-15 ITEQ 02-13 ITEQ 02-16	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, Be, Va, Ca, Mo, V	ITEQ 02-35	SM 3111 D
Alkalinity	ITEQ 02-17	SM 2320 B
Ammonia	ITEQ 02-30	SM 4500 NH3 D ME-27-2007
As, Se	ITEQ 02-07 ITEQ 02-24	SM 3114 C ME-12-2007 SM 3114 C ME-10-2007
Chloride	ITEQ 02-23	SM 4500-CI B ME-28-2007
Conductivity	ITEQ 02-20	SM-2510 B
Cyanide	ITEQ 02-29	SM 4500-CN E ME-14-2007
Dissolved Oxygen	ITEQ 02-25	SM 4500-O G
Flavor	ITEQ 02-02	SM 2170 ME-26-2007
Fluoride	ITEQ 02-04	SM 4500 FC ME-06-2007
Free and Total Chlorine Determination	ITEQ 02-19	SM 4500-CI G
Hg	ITEQ 02-14	SM 3112 B ME-15-2007
Nitrate	ITEQ 02-05	SM 4500 D ME-16-2007

<u>Parameter</u>	<u>Test Method</u>	<u>Reference Method</u>
Nitrite	ITEQ 02-06	SM 4500-NO2 B ME-17-2007
Odor	ITEQ 02-01	SM 2150 ME-25-2007
pH	ITEQ 02-03	SM 4500 H ME-29-2007
Phenolic Compounds	ITEQ 02-31	SM 5530C ME-32-2007
Reason Nitrate Nitrite (RAS)	ITEQ 02-33	NCh1333
Sulfate	ITEQ 02-28	SM 4500-SO4 D ME-30-2007
Temperature	ITEQ 02-26	SM 2550 B
Theoretical Hardness	ITEQ 02-22	SM 2340C
Total Dissolved Solids	ITEQ 02-27	SM 2540C ME-31-2007
True Color	ITEQ 02-32	SM 2120 B ME-24-2007
Turbidity	ITEQ 02-21	SM 2130 B ME-03-2007

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

<u>Parameter</u>	<u>Test Method</u>	<u>Reference Method</u>
As, Se (AA, Hydride Generation)	ITEQ 03-18	AOAC 986.15
Cd, Cu, Fe, Pb, Zn Ca, Cu, Fe, K, Na, Mg, Zn	ITEQ 03-16 ITEQ 03-14	AOAC 999.10 AOAC 999.11 AOAC 985.35
Hg (AA, Cold Vapor)	ITEQ 03-15	NCh 2667

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

<u>Parameter</u>	<u>Test Method</u>	<u>Method</u>
Al, Sn	ITEQ 03-17	AA, Flame
Ash	ITEQ 03-07	Gravimetric
Fat	ITEQ 03-19	Gravimetric
Moisture	ITEQ 03-08	Gravimetric
Mycotoxins by ELISA; Aflatoxins and Ochratoxins	ITEQ 03-12	ELISA
pH	ITEQ 03-05	Electrometric
Protein by Kjeldahl	ITEQ 03-13	Volumetric
Raw Fiber	ITEQ 03-11	Gravimetric
Soluble Solids	ITEQ 03-04	Refractometry
Titrateable Acidity	ITEQ 03-06	Potentiometer
Total Sugars	ITEQ 03-09	UV Spectrophotometric
Water Activity	ITEQ 03-10	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 29th day of October 2019.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4861.02
Valid to June 30, 2020

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