



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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CHEMICAL

Valid To: June 30, 2026

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:

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

<u>Test Type/Technology/Parameter</u>	<u>Test Method</u>
Allergens by ELISA: Almond Egg White Gluten G-12 Mustard Nuts Soy β- lactoglobulin	ITEQ 03-01
Ash	ITEQ 03-07
Fat	ITEQ 03-19
Heavy Metals by AA, Cold Vapor: Hg (Mercury)	ITEQ 03-15
Heavy Metals by AA, Flame: Ca (Calcium) Cd (Cadmium) Cu (Copper) Fe (Iron) K (Potassium) Mg (Magnesium)	ITEQ 03-16
Heavy Metals by AA, Flame: Mn (Manganese)	TEQ 03-16

<u>Test Type/Technology/Parameter</u>	<u>Test Method</u>
Na (Sodium) Pb (Lead) Zn (Zinc)	
Heavy Metals by AA, Flame: Ag (Silver) Al (Aluminum) Ba (Barium) Sn (Tin)	ITEQ 03-22 ITEQ 03-17 ITEQ 03-21
Heavy Metals by AA, Hydride Generation: As (Arsenic) Se (Selenium)	ITEQ 03-18
Moisture	ITEQ 03-08
Mycotoxins by ELISA: Ochratoxins Total Aflatoxins	ITEQ 03-01
pH	ITEQ 03-05
Phosphorus	ITEQ-03-24
Protein and Nitrogen by Kjeldahl	ITEQ 03-13
Dietary Fiber (total, soluble and insoluble) Raw Fiber	ITEQ 03-11
Calories by Calculation (CAC/GL 2-1985) Carbohydrates by Calculation	ITEQ 03-20
Soluble Solids	ITEQ 03-04
Titrateable Acidity	ITEQ 03-06
Total Sugars	ITEQ 03-09
Water Activity	ITEQ 03-10



Drinking Water, Superficial Water, Underground Water

<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Alkalinity	SM 2320 B
Ammonia	SM 4500 NH3 D ME-27-2007
B (Boron)	DIN 38405-17
Chloride	SM 4500-Cl-B ME-28-2007
Conductivity	SM-2510 B
Cyanide	SM 4500-CN E ME-14-2007
Dissolved Oxygen	SM 4500-O G
Flavor, organoleptic	ME-26-2013
Fluoride	SM 4500 F-C ME-06-2007
Hardness, Theoretical Hardness	SM 2340
Heavy Metals: Ag (Silver) Ca (Calcium) Cd (Cadmium) Co (Cobalt) Cr (Chrome) Cu (Copper) Fe (Iron) K (Potassium) Li (Lithium) Mg (Magnesium) Mn (Manganese) Na (Sodium) Ni (Nickel) 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



<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Heavy Metals: Al (Aluminum) Ba (Barium) Be (Beryllium) Ca (Calcium) Mo (Molybdenum) V (Vanadium)	SM 3111 D
Heavy Metals: As (Arsenic) Se (Selenium)	SM 3114 C ME-12-2007 SM 3114 C ME-10-2007
Heavy Metals: 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, organoleptic	ME-25-2013
Percentual Sodium by Calculation	NCh 1333
pH	SM 4500 HB ME-29-2007
Phenolic Compounds	SM 5530C ME-32-2007
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



<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
True Color, Visual Comparison Method	SM 2120 B ME-24-2007
Turbidity	SM 2130 B ME-03-2007

Wastewater

<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Biological Demand Oxygen (BOD5)	SM 5210 B NCh2313/5
Chemical Demande Oxigen (COD)	SM 5220 D NCh2313/24
Chloride	SM 4500-Cl B NCh2313/32
Cyanide	SM 4500-CN E
Fluoride	SM 4500 F BC NCh2313/33
Foaming Power	NCh2313/21
Heavy Metals: Al (Aluminum) Ba (Barium) Be (Beryllium) Ca (Calcium) Mo (Molybdenum) V (Vanadium)	SM 3111 D NCh2313/13
Heavy Metals: As (Arsenic)	SM 3114 C NCh2313/9 SM 3114 C NCh2313/30



<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Heavy Metals: Ca (Calcium) Cd (Cadmium) Cr (Chrome) Cu (Copper) Fe (Iron) Mg (Magnesium) Mn (Manganese) Ni (Nickel) Pb (Lead) Se (Selenium) Zn (Zinc)	SM 3111B NCh2313/10
Heavy Metals: Hg (Mercury)	SM 3112 B NCh2313/12
Hexavalent Chromium	SM 3500 B
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 ₄ 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



<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Total Suspended Solids	SM 2540 D NCh2313/3

Determination metals and physicochemical analysis in soils

<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Al, Ca, Cu, Fe, K, Mg, Mn, Na, Zn by AA Flame	ITEQ-04-02
Nitrogen	ITEQ-04-05
pH-H ₂ O, pH-KCl, pH-CaCl ₂ , Conductivity, Texture	ITEQ-04-03
Phosphorus, Organic Carbon and Organic Matter, Boron, Sulfur	ITEQ-04-04
RAS sodium adsorption ratio, PSI Exchangeable Sodium Percentage, CICE cation exchange capacity	ITEQ-04-06

Determination metals and physicochemical analysis in plant tissue (foliar)

<u>Test Type/Technology/Parameter</u>	<u>Reference Method</u>
Boron, Phosphorus	ITEQ-05-04
Ca, Cu, Fe, K, Mg, Mn, Zn by AA Flame	ITEQ-05-03
Nitrogen	ITEQ-05-02





Accredited Laboratory

A2LA has accredited

QUALITY LAB LABORATORIO, CONSULTORIA Y CAPACITACION SPA, Y QUALITY LAB SPA DBA QUALITY LAB SPA

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 30th day of October 2024.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4861.02
Valid to June 30, 2026

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