



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MARTINEZ AMBIENTAL LIMITADA
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ENVIRONMENTAL

Valid To: October 31, 2023

Certificate Number: 4354.01

In recognition of the successful completion of the A2LA evaluation process, including an evaluation of the organization's compliance with The NELAC Institute's National Environmental Field Activities Program (NEFAP) Field Sampling and Measurement Organization Volume 1 Standard (TNI FSMO V1 2014 Rev 2.0), accreditation is granted to this organization to perform recognized methods using the following testing technologies and in the analyte categories identified below:

FSMO Type: Natural, continental aquatic and marine systems, public and private water systems, industrial

Mobile Units: Not Applicable

Sampling:

<u>Matrix</u>	<u>Technology</u>	<u>Internal Procedure(s)</u>	<u>Procedures</u>
Biological Components	Grab Sampling	PR-TE-04 Version 04 PR-TE-05 Version 02 PR-TE-06 Version 02	NCh-ISO 5667/1 2017 Guide for the Design of Sampling Programs and Sampling Techniques NCh 411/3 2014 Guide on the Preservation and Handling of Samples Standard Methods for the Examination of Water and Wastewater, 10200 Plankton. 23° Ed. 2017 Standard Methods for the Examination of Water and Wastewater, 10500 Benthic Macroinvertebrates. 23° Ed. 2017 Standard Methods for the Examination of Water and Wastewater, 10300 Periphyton. 23° Ed. 2017 Standard Methods for the Examination of Water and Wastewater, 10600 Fishes. 23° Ed. 2017 Standard Methods for the Examination of Water and Wastewater, 10400 C Macrophytes 10400. 23° Ed. 2017
Marine Sediments, Lake Sediments, and Aquatic Sediments	Grab Sampling	PR-TE-03 Version 3	EPA. 2001. Sediment Sampling Guide (2nd Edition). Lazarus Government Center P.O. Box 1049 Columbus Ohio 43216-1049. 35 p.

<u>Matrix</u>	<u>Technology</u>	<u>Internal Procedure(s)</u>	<u>Procedures</u>
Marine Water	Grab Sampling	PR-TE-02 Version 04	NCh-ISO 5667/1 2017 Guide for the Design of Sampling Programs and Sampling Techniques NCh 411/3 2014 Guide on the Preservation and Handling of Samples NCh 411/9 1997 Guide for the Sampling of Marine Waters
Superficial Water	Grab Sampling	PR-TE-01 Version 05	NCh-ISO 5667/1 2017 Guide for the Design of Sampling Programs and Sampling Techniques NCh 411/3 2014 Guide on the Preservation and Handling of Samples; NCh-ISO 5667/4 2016 Guide for the Sampling of Natural and Artificial Lakes; NCh-ISO 5667/6 2015 Guide for the Sampling Rivers and Water Courses
Underground Water	Grab Sampling, Bailers Pumping	PR-TE-09 Version 02	NCh-ISO 5667/1 2017 Guide for the Design of Sampling Programs and Sampling Techniques NCh 411/3 2014 Guide on the Preservation and Handling of the Samples NCh 411/11 2022 Guide for the Sampling of Underground Water

Measurement (Analysis in Field): Superficial Water, Underground Water and Marine Water

<u>Parameter/Analyte</u>	<u>Technology</u>	<u>Procedure(s)</u>
Depth of Water Table (Nivel freático)	Pozometer	PR-TE-09 Version 02. Based on NCh 411/11 2022 Guide for the Sampling of Underground Water
Dissolved Oxygen	Polarographic Probe	Standard Methods for the Examination of Water and Wastewater 4500-O G 23° Ed. 2017
Electrical Conductivity	Electrode Cell Probe	Standard Methods for the Examination of Water and Wastewater 2510 B 23° Ed. 2017
pH	Potentiometric	Standard Methods for the Examination of Water and Wastewater 4500 H+B 23° Ed. 2017
Temperature	Thermistor	Standard Methods for the Examination of Water and Wastewater 2550 B 23° Ed. 2017

Measurement (Analysis in Field): Continental Aquatic Systems

<u>Test</u>	<u>Internal Procedure(s)</u>	<u>Test Method</u>
Taxonomic Analysis of Fish	PR-TE-05 Version 02	Standard Methods for the Examination of Water and Wastewater. 10600 Fishes. 23° Ed. 2017
Taxonomic Analysis of Macrophytes	PR-TE-06 Version 02	Standard Methods for the Examination of Water and Wastewater. 10400 C Macrophytes. 23° Ed. 2017

Analysis (In Laboratory Facilities):

<u>Test</u>	<u>Internal Procedure(s)</u>	<u>Test Method</u>
Taxonomic Analysis of Benthic Diatomea in Continental Aquatic Systems	PR-LE-01 Version 04	Diaz C., Molina X. & Montecino V. 2011. Manual para el Monitoreo e Identificación de la Microalga Bentónica <i>Didymosphenia geminata</i> . Subsecretaría de Pesca, Gobierno de Chile. 71pp.
Taxonomic Analysis of Benthic Macroinvertebrates in Continental Aquatic and Marine Systems	PR-LE-02 Version 03	Standard Methods for the Examination of Water and Wastewater. 10500 A and C Benthic Macroinvertebrates. 23° Ed. 2017
Taxonomic Analysis of Phytoplankton in Continental Aquatic and Marine Systems	PR-LE-03 Version 06	Standard Methods for the Examination of Water and Wastewater. 10200 F Plankton. 23° Ed. 2017
Taxonomic Analysis of Zooplankton in Continental Aquatic and Marine Systems	PR-LE-04 Version 03	Standard Methods for the Examination of Water and Wastewater. 10200 G Plankton. 23° Ed. 2017





Accredited Laboratory

A2LA has accredited

MARTINEZ AMBIENTAL LIMITADA

Vina Del Mar, CHILE

for technical competence in the field of

Environmental 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 laboratory also meets the A2LA R219 - *Specific Requirements - TNI Field Sampling and Measurement Organization Accreditation Program*. 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 3rd day of November 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4354.01
Valid to October 31, 2023

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