



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AIRÓN INGENIERÍA Y CONTROL AMBIENTAL S.A.  
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ENVIRONMENTAL

Valid To: May 31, 2023

Certificate Number: 5360.01

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:

**Analysis:**

<b><u>Matrices</u></b>	<b><u>Technology(ies) and Analyte(s)</u></b>	<b><u>In-House Method(s)</u></b>	<b><u>Reference Method(s)</u></b>
Particulate Matter	Gravimetric	CH-5, EPA 5B, EPA 17	EPA 5, EPA 5B, EPA 17
Particulate Matter	PM 10, PM 2.5, Gravimetric	EPA 201A	EPA 201A
Particulate Matter	Condensable PM – Gravimetric	EPA 202	EPA 202
Gases	Sulfur Dioxide, Sulfuric Acid, Sulfur Trioxide – Titrimetric	CH-6, EPA 8	EPA 6, EPA 8
Gases	Sulphur Dioxide (SO <sub>2</sub> ) – Titrimetric, reported as Total Reduced Sulphur	EPA 16A	EPA 16A

**Measurement (Field):**

<b><u>Matrices</u></b>	<b><u>Technology(ies) and Analyte(s)</u></b>	<b><u>In-House Method(s)</u></b>	<b><u>Reference Method(s)</u></b>
Gases – Particulate Matter	Sampling Points/Speed, Selection of Sampling Ports and Traverse Points	CH-1	EPA 1
Gases – Particulate Matter	Transverse/Speed	CH-1A	EPA 1A
Gases – Particulate Matter	Speed and Flow; Pitot Tube	CH-2, EPA 2F	EPA 2, EPA 2F
Gases – Particulate Matter	Flow Rate/Speed; Pitot Tube	CH-2C	EPA 2C
Gases – Particulate Matter	Dry Molecular Weight, Orsat Analyzer	CH-3	EPA 3

<u>Matrices</u>	<u>Technology(ies) and Analyte(s)</u>	<u>In-House Method(s)</u>	<u>Reference Method(s)</u>
Gases – Particulate Matter	Weight Concentration (CO, CO <sub>2</sub> , O <sub>2</sub> ) Instrument Analyzer	CH-3A	EPA 3A
Gases – Particulate Matter	Correction Factor/Excess of Air Orsat Analyzer	CH-3B	EPA 3B
Gases – Particulate Matter	Humidity, Volumetric/gravimetric	CH-4	EPA 4
Gases	Sulfur Dioxide Instrumental Analyzer	CH-6C	EPA 6C
Gases	Nitrogen Oxide (NO <sub>x</sub> ) Instrumental Analyzer	CH-7E	EPA 7E
Gases	Carbon Monoxide (CO) Instrumental Analyzer	CH-10	EPA 10
Gases	Total Gaseous Organic Concentration Flame Ionization Analyzer-FID	CH-25A	EPA 25A

**Sampling:**

<u>Matrices</u>	<u>Technology(ies) and Analyte(s)</u>	<u>In-House Method(s)</u>	<u>Reference Method(s)</u>
Particulate Matter	Isokinetic Train	CH-5, EPA 5B, EPA 17	EPA 5, EPA 5B, EPA 17
Particulate Matter	Isokinetic Train, Glass Fiber Filter – Particulate Matter Emissions (PM) 10, PM 2.5 (Constant Sampling Rate)	EPA 201A	EPA 201A
Particulate Matter	Isokinetic Train, Glass Fiber Filter, Dry Impinger, Absorbing Solutions – Condensable Particulate Matter	EPA 202	EPA 202
Gases	Impinger, absorbing solutions – Sulfur Dioxide (SO <sub>2</sub> )	CH-6	EPA 6
Gases	Isokinetic Train, Probe, Filter, Absorbing Solutions – Sulfur Dioxide, Sulfuric Acid, Sulfur Trioxide (SO <sub>2</sub> , H <sub>2</sub> SO <sub>4</sub> , SO <sub>3</sub> )	EPA 8	EPA 8
Gases	Impinger, Absorbing Solutions – Total Reduced Sulphur (Impinger)	EPA 16A	EPA 16A
Gases	Isokinetic Train, Filter, and Absorbing Solutions, Hydrogen Bromide (HBr), Hydrogen Chloride (HCl), Hydrogen Fluoride (HF), Chlorine (Cl <sub>2</sub> ), Bromine (Br <sub>2</sub> )	CH-26A	EPA 26A

<u>Matrices</u>	<u>Technology(ies) and Analyte(s)</u>	<u>In-House Method(s)</u>	<u>Reference Method(s)</u>
Gases	Absorbing Solutions in Tenax-Tenax and Anasorb – VOC's: Volatile Organic Compounds (GC/MS) - Benzene	EPA 0031	EPA 0031
Gases	Isokinetic Train, Filter, and Absorbing Solutions – Ammonia	CTM-027	EPA CTM-027
Gases	Isokinetic Train, Filter, and Absorbing Solutions – Cyanide	EPA OTM-29	EPA OTM-29
Gases – Particulate Matter	Isokinetic Train, Resins XAD-2 – Dioxins and Furans	CH-23	EPA 23
Gases – Particulate Matter	Isokinetic Train, Probe, Filter, and Absorbing Solutions – Heavy Metals (Sb-As-Ba-Be-Cd-Cr-Co-Cu-Pb-Mn-Hg-Ni-P-Se-Ag-Ti-Zn)	CH-29	EPA 29





## Accredited Laboratory

A2LA has accredited

**AIRÓN INGENIERÍA Y CONTROL AMBIENTAL S.A.**

*Santiago, 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 requirements of A2LA R219 – *Specific Requirements – TNI Field Sampling and Measurement Organization Accreditation*. 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 23<sup>rd</sup> day of July 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5360.01  
Valid to May 31, 2023

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