



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AIRÓN INGENIERÍA Y CONTROL AMBIENTAL S.A.
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ENVIRONMENTAL

Valid To: May 31, 2025

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:

<u>Matrices</u>	<u>Technology(ies) and Analyte(s)</u>	<u>In-House Method(s)</u>	<u>Reference Method(s)</u>
Particulate Matter	Gravimetric – Particulate Matter	CH-5:2020 EPA 5B:2019 EPA 17:2017	EPA 5:2020 EPA 5B:2019 EPA 17:2017
Particulate Matter	PM 10, PM 2.5, Gravimetric	EPA 201A:2020	EPA 201A:2020
Particulate Matter	Condensable Particulate Matter – Gravimetric	EPA 202:2017	EPA 202
Gases	Sulfur Dioxide, Sulfuric Acid, Sulfur Trioxide – Titrimetric	CH-6:1998	EPA 6
Gases	Sulfur Dioxide, Sulfuric Acid, Sulfur Trioxide (SO ₂ , H ₂ SO ₄ , SO ₃) Titrimetric	EPA 8:2019	EPA 8:2019
Gases	Sulphur Dioxide (SO ₂) – Titrimetric, reported as Total Reduced Sulphur	EPA 16A:2017	EPA 16A:2017

Measurement (Field):

<u>Matrices</u>	<u>Technology(ies) and Analyte(s)</u>	<u>In-House Method(s)</u>	<u>Reference Method(s)</u>
Gases – Particulate Matter	Sampling Points/Speed, Selection of Sampling Ports and Traverse Points	CH-1:1996	EPA 1:2020
Gases – Particulate Matter	Transverse/Speed	CH-1A:1996	EPA 1A:2017
Gases – Particulate Matter	Speed and Flow; Pitot Tube	CH-2:1996 EPA 2F:2017	EPA 2:2017 EPA 2F:2017
Gases – Particulate Matter	Flow Rate/Speed; Pitot Tube	CH-2C:2017	EPA 2C:2017

<u>Matrices</u>	<u>Technology(ies) and Analyte(s)</u>	<u>In-House Method(s)</u>	<u>Reference Method(s)</u>
Gases – Particulate Matter	Dry Molecular Weight, Orsat Analyzer	CH-3:1996	EPA 3:2017
Gases – Particulate Matter	Weight Concentration (CO, CO ₂ , O ₂) Instrument Analyzer	CH-3A:1996	EPA 3A:2017
Gases – Particulate Matter	Correction Factor/Excess of Air Orsat Analyzer	CH-3B:1996	EPA 3B:2017
Gases – Particulate Matter	Humidity, Volumetric/gravimetric	CH-4:1996	EPA 4:2020
Gases	Sulfur Dioxide Instrumental Analyzer	CH-6C:1996	EPA 6C:2017
Gases	Nitrogen Oxide (NO _x) Instrumental Analyzer	CH-7E:1998	EPA 7E:2020
Gases	Carbon Monoxide (CO) Instrumental Analyzer	CH-10:1998	EPA 10:2017
Gases	Total Gaseous Organic Concentration Flame Ionization Analyzer-FID	CH-25-A:1998	EPA 25A:2017

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 (Particulate Matter)	CH-5:2020 EPA 5B:2019 EPA 17:2017	EPA 5:2020 EPA 5B:2019 EPA 17:2017
Particulate Matter	Isokinetic Train, Glass Fiber Filter – Particulate Matter Emissions (PM) 10, PM 2.5 (Constant Sampling Rate)	EPA 201A:2020	EPA 201A:2020
Particulate Matter	Isokinetic Train, Glass Fiber Filter, Dry Impinger, Absorbing Solutions – Condensable Particulate Matter	EPA 202:2017	EPA 202:2017
Gases	Impinger, absorbing solutions – Sulfur Dioxide (SO ₂)	CH-6:1998	EPA 6:2017
Gases	Isokinetic Train, Probe, Filter, Absorbing Solutions – Sulfur Dioxide, Sulfuric Acid, Sulfur Trioxide (SO ₂ , H ₂ SO ₄ , SO ₃)	EPA 8:2019	EPA 8:2019
Gases	Impinger, Absorbing Solutions – Total Reduced Sulphur (Impinger)	EPA 16A:2017	EPA 16A:2017
Gases	Isokinetic Train, Filter, and Absorbing Solutions, Hydrogen Bromide (HBr), Hydrogen Chloride (HCl), Hydrogen Fluoride (HF), Chlorine (Cl ₂), Bromine (Br ₂)	CH-26A:2020	EPA 26A:2020

<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 Benzene	EPA 0031:1996	EPA 0031:1996
Gases	Isokinetic Train, Filter, and Absorbing Solutions – Ammonia	CTM-027:1997	EPA CTM-027:1997
Gases	Isokinetic Train, Filter, and Absorbing Solutions – Cyanide	EPA OTM-29:2011	EPA OTM-29:2011
Gases – Particulate Matter	Isokinetic Train, Resins XAD-2 – Dioxins and Furans	CH-23:2010	EPA 23:2014
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-Tl-Zn)	CH-29:2010	EPA 29:2017





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 3rd day of April 2023.

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 5360.01
Valid to May 31, 2025

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