



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

**LABECO CONSULTORIA AMBIENTAL S.A.C**

STREET 346, LIMA 15048, PERU

**Testing Laboratory TL-1326**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 10, 2025



*International Accreditation Service*  
Issued under the authority of IAS management

IAS is an ILAC MRA Signatory

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## LABECO CONSULTORIA AMBIENTAL S.A.C

[www.labecoperu.com.pe](http://www.labecoperu.com.pe)

**Contact Name** Ana Casas

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*Accredited to ISO/IEC 17025:2017*

*Effective Date May 10, 2025*

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Environmental Inorganic	Water	Determination of Total and Dissolved Metals	<b>EPA Method 200.7</b> Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry ICP-OES
		Mercury	<b>SMEWW-APHA- AWWA-WEF Part 3112 B 24rd Ed</b> Metals Cold-Vapor Atomic Absorption Spectrometric Method.
	Soil	Determination of Metals	<b>EPA Method 200.7</b> Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry ICP-OES / Acid Digestion in Sediments, Sludges and Soils  <b>EPA Method 3050 B</b> Acid Digestion of Sediments, Sludges and Soils
		Mercury	<b>EPA Method 7471 B</b> Mercury in solid or semisolid waste (Manual cold-vapor technique).
Environmental Organic	Water and Soil	Total Petroleum Hydrocarbons (TPH) Range: F1, F2 and F3	<b>EPA METHOD 8015C</b> Nonhalogenated Organics by Gas Chromatography.
		Volatile Organic Compounds	<b>EPA METHOD 8260D</b> Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry.
		Semivolatile Organic Compounds	<b>EPA Method 8270 E</b> Semivolatile Organic Compounds by Gas Chromatography / Mass Spectrometry.

TL-1326

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Environmental Microbiology	Water	Total Coliform	<b>SMEWW-APHA- AWWA-WEF Part 9221 B (2-3), 24rd Ed.</b> Multiple - Tube Fermentation Technique for Members of the Coliform Group. Standard Total Coliform Fermentation Technique.
		Fecal Coliform	<b>SMEWW-APHA- AWWA-WEF Part 9221 E (1), 24rd Ed.</b> Multiple - Tube Fermentation Technique for Members of the Coliform Group. Thermotolerant (Fecal) Coliform Procedure.
Environmental Biology	Water	Plankton, Phytoplankton, Zooplankton	<b>SMEWW-APHA-AWWA-WEF. Part 10200. C.2, F.2.a.c.1, G, 24th Ed.</b> Plankton. Concentration Techniques. Phytoplankton Counting Techniques. Zooplankton. Counting Techniques. Referenced in Water Quality Regulations for Human Consumption (D.S. N°031-2010-S.A.)
Emissions and Air	Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters	Gaseous Emissions: SO <sub>2</sub> , CO, CO <sub>2</sub> , O <sub>2</sub> , H <sub>2</sub> S, NO <sub>x</sub>	<b>EPA CTM 030</b> Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters Using Portable Analyzers
	Benzene	Ambien Air	<b>NTP 712.107.2020</b> Environmental Quality Monitoring - Method for measuring the concentration of benzene in ambient air. Part 2: Aspiration sampling followed by solvent desorption and gas chromatography
Particulate Matter	Ambient Particulate Matter	Lead in Filters	<b>EPA Compendium Method IO-3.2</b> Determination Of Metals In Ambient Particulate Matter Using Atomic Absorption (AA) (VALIDATED OUT OF SCOPE)
Power and Energy	Measurement of Power Frequency Electric and Magnetic Fields	Non-Ionizing Electromagnetic Radiation	<b>IEEE STD. 644.2019</b> IEEE Standard Procedures for Measurement of Power Frequency Electric and Magnetic Fields from AC Power Lines.

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Acoustic	Basic Quantities and assessment procedure	Environmental Noise	<b>ISO 1996-1:2016(E)</b> Acoustic - Description, measurement and assessment of Environmental Noise- Part 1: Basic Quantities and assessment procedure.
	Determination of sound pressure levels	Environmental Noise	<b>ISO 1996-2:2017(E)</b> Acoustic - Description, measurement and assessment of Environmental Noise- Part 2: Determination of sound pressure levels.