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CERTIFICATE OF ACCREDITATION

This is to attest

SGS CHILE LTDA SOCIEDAD DE CONTROL

RUTA 5 SUR, KM 1013
PUERTO VARAS, 555000, CHILE

Testing Laboratory TL-1215

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 March 5, 2024



International Accreditation Service
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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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SGS CHILE LTDA SOCIEDAD DE CONTROL

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Accredited to ISO/IEC 17025:2017

Effective Date March 5, 2024

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Environmental Inorganic	Drinking water, surface water, groundwater, sea water, wastewater, Catchment sources, water for industrial purposes	5-Day BOD	SMEWW 5210 B (24th edition, 2023). Biochemical Oxygen Demand
		Chemical Oxygen Demand	SMEWW 5220 D (24th edition, 2023). Chemical Oxygen Demand Closed Reflux Colorimetric Method
		Chloride	SMEWW 4500 Cl- B (24th edition, 2023). Chloride by Argentometric Method
		Chlorine	SMEWW 4500 Cl G (24th edition, 2023). Chlorine by DPD Colorimetric Method
		Conductivity	SMEWW 2510 B (24th edition, 2023). Conductivity Laboratory Method
		Fixed and Volatile Solids Ignited at 550°C.	SMEWW 2540 E (24th edition, 2023). Fixed and Volatile Solids Ignited at 550°C.
		pH	SMEWW 4500 H+ B (24th edition, 2023). pH by Electrometric Method
		Settleable Solids.	SMEWW 2540 F (24th edition, 2023). Settleable Solids.
		Total Dissolved Solids Dried at 180°C	SMEWW 2540 C (24th edition, 2023). Total Dissolved Solids Dried at 180°C.
		Total Solids Dried at 103–105°C.	SMEWW 2540 B (24th edition, 2023). Total Solids Dried at 103–105°C.
		Total Suspended Solids Dried at 103–105°C.	SMEWW 2540 D (24th edition, 2023). Total Suspended Solids Dried at 103–105°C.
		Turbidity	SMEWW 2130 B (24th edition, 2023). Turbidity by Nephelometry method

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Page 2 of 3

IAS/TL/100-2



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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Environmental Inorganic (cont'd.)	Drinking water, surface water, groundwater, sea water, wastewater, Catchment sources, water for industrial purposes (cont'd.)	Foaming power	I-ENV-LAB-288 Ed00 based on ISO 696:1975 and NCh2313/21.Of2010. Surface active agents – Measurement of foaming power – Modified Ross-Miles method.
	Drinking water, Catchment sources	Chloride	ME-28-2007 Manual SISS, Determination of Chloride by Argentometric Method
		Dissolved Solids	ME-31-2007 Manual SISS, Determination of Dissolved solids by Gravimetric Method
	Wastewater	Biochemical Oxygen Demand (BOD5)	NCh2313/5.Of2005. Determination of Biochemical Oxygen Demand (BOD5)
		Chemical Oxygen Demand (COD)	NCh2313/24.Of1997. Determination of chemical oxygen demand (COD)
		Chloride	NCh2313/32.Of1999. Determination of chloride - Mohr's Argentometric method
		Foaming Power	NCh2313/21.Of2010. Determination of foaming power
		pH	NCh2313/1.Of2021. Determination of pH
		Settleable Solids.	NCh2313/4.Of1995. Determination of Settling Solids - Volumetric Method
	Suspended Solids	NCh2313/3.Of1995. Determination of total suspended solids dried at 103-105 °C	

