



CERTIFICATE OF ACCREDITATION

This is to attest that

LABORATORIO ROBOTIZADO GEOASSAY ANTOFAGASTA

AV. RUTA DEL COBRE #320, SITIO 19,
ANTOFAGASTA 1240000, REPUBLIC OF CHILE

Testing Laboratory TL-999

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 January 14, 2022



A handwritten signature in black ink that reads "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

LABORATORIO ROBOTIZADO GEOASSAY ANTOFAGASTA

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Accredited to ISO/IEC 17025:2017

Effective Date January 14, 2022

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemistry – Mining	Copper Minerals	Gold (Au)	SO 10378:1994 – Copper sulfide concentrates – Determination of gold and silver contents – Fire assay gravimetric and flame atomic absorption spectrometric method
		Copper (Cu) and Iron (Fe)	Harris.D, Análisis Químico cuantitativo. Burriel F. Química Analítica Cualitativa. Ed. Thompson. 2008. Skoog. Douglas A, Fundamentos de Química Analítica, vol 2, Ed. Reverté 2001. Metals in Copper Minerals by Atomic Absorption Spectrometry
		Arsenic (As), Copper (Cu), Molybdenum (Mo) and Silver (Ag)	Harris.D, Análisis Químico cuantitativo. Burriel F. Química Analítica Cualitativa. Ed. Thompson. 2008. Skoog. Douglas A, Fundamentos de Química Analítica, vol 2, Ed. Reverté 2001. Metals in Copper Minerals by Atomic Absorption Spectrometry
	Copper Concentrate	Copper (Cu)	ISO 10258 – Copper sulfide concentrates – Determination of Copper content – Titrimetric methods