CERTIFICATE OF ACCREDITATION

This is to attest that

AGQ MINING & BIOENERGY S.L.

CTRA A-8002 KM 20.8
BURGUILLOS, AND, 41220, KINGDOM OF SPAIN

Testing Laboratory TL-973

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 5, 2024

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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AGQ MINING & BIOENERGY S.L.

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Accredited to ISO/IEC 17025:2017 *Effective Date January 5, 2024*

FIELDS OF TESTING	MATERIAL	DETERMINANTS	METHODS REFERENCE
Elemental Analysis	Metallic Ores and High Grade Material	Multi-Element Analysis (Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sn, Sr, Ti, Tl, V, Zn)	PE-4017, Sample Preparation
			PE-4041, Aqua Regia digestion PE-4042, ICP-AES Analysis
	Geochemical samples and metallic ores	Multi-Element Analysis (Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sn, Sr, Ti, Tl, V, Zn)	PE-4017, Sample Preparation
			PE-4041, 4 Acids digestion PE-4043, ICP-AES Analysis
		Gold	PE-4007, Sample Preparation Fire Assay
			PE-4008, AA Analysis and Fire Assay
			PE-4014, ICP-OES Analysis and Fire Assay
		Total S	PE-4017, Sample Preparation
			PE-4408, Elemental Analyzer
		Neutralization Potential Sobek (NP)	PE-4402, Sobek et Al. Method (1987)
		Neutralization Potential Lawrence (NP)	PE-4403, Lawrence & Wang Method (1996)
		Sulphate Sulphur by water, carbonate, weak hydrochloric acid or concentrate nitric acid leaching	PE-4404, Elemental Analyzer / ICP-OES
		Acid and neutralization Potential	PE-4407, EN15875:2012
		Total Sulphur	PE-4408, Elemental Analyzer
		Fizz Rating	PE-4409, Fizz Rating
		Net generation Acid	PE-4413, NAG Method (1997)
		Paste pH	PE-4416, EPA 600/2-78-054

FIELDS OF TESTING	MATERIAL	DETERMINANTS	METHODS REFERENCE
Elemental Analysis (cont'd.)	Geochemical samples and Metallic Ores (cont'd.)	Sulphate Sulphur by Combustion and Elemental IR analysis	PE-4417, Elemental Analyzer
	Waters	Multi-Element Analysis (Al, Ca, Cr, Fe, K, Mg, Mn, Na, P, Si, Ti)	PE-4017, Sample Preparation
			PE-4044, ICP-OES and Alkaline Fusion/ Acid Digestion
		Acid Soluble Cooper	PE-4020, ICP-OES Analysis and Acid Extraction
		Cyanide Soluble Cooper	PE-4021, ICP-OES Analysis and Cyanide Extraction
		Multi-Element Analysis (Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sc, Sm, Tb, Th, Tm, U, Y, Yb)	PE-4017, Sample Preparation
			PE-4041, 4 Acids digestion PE-4048, ICP-OES Analysis
	High Grade Material	Copper Cathode impurities: Ag, As, Bi, Cd, Co, Cr, Fe, Mn, Ni, P, Pb, Sb, Se, Si, Sn, Te, Zn)	PE-4049, ICP-OES / Acid digestion
Calculation	Geochemical samples and Metallic Ores	Total Sulfide Sulphur	PE-4016, Calculation Methods
Gravimetric and Volumetric Analysis	High Grade Material	Copper	PE-4009, Volumetric Methods
		Zinc	PE-4010, Volumetric Methods
		Lead	PE-4011, Volumetric Methods
		Iron	PE-4012, Volumetric Methods