



SCOPE OF ACCREDITATION

SGS Mexico
SGS MINERALES - DURANGO
Calle Antimonio #121 Cd. Industrial C.P. 34208
Durango, DGO,
MEXICO

Accredited Laboratory No. 657
(Conforms with requirements of ISO/IEC 17025:2017, RG-MINERAL)

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URL:	http://www.sgs.com/
CLIENTS SERVED:	All interested parties.
FIELDS OF TESTING:	Chemical/Physical
PROGRAM SPECIALTY AREA:	Mineral Analysis
INITIAL ACCREDITATION DATE:	2009-11-10
SCOPE ISSUED ON:	2019-05-30
ACCREDITATION VALID TO:	2021-11-10

METALLIC ORES AND PRODUCTS

Mineral Analysis Testing

Mineral Assaying

GC/GT_CON08V	The Preparation and Determination of Iron in Ores, Concentrates and Metallurgical Products by Fusion, Separation and Titration [Fe, Titration]
GC/GT_CON11V	Preparation and Determination of Lead in Ores, Concentrates and Metallurgical Products by Separation, Precipitation and Titration of Acid Solubles, Fusion with Atomic Absorption Spectrometry of Acid Insolubles [Pb, AAS]



GC/GT_CON12V	Preparation and Determination of Zinc in Ores, Concentrates and Metallurgical Products by Separation, Precipitation and Titration of Acid Solubles, Fusion with Inductively Coupled Plasma Optical Emission Atomic Absorption Spectrometry of Acid Insolubles [Zn, AAS, ICP-OES]
GE_AAS21E	Preparation and Determination of Silver in Exploration Samples by 3-acid Digest and Atomic Absorption Spectrometry [AAS, Ag, HNO ₃ , HCL, HF]
GE_FAA313/515	Preparation and Determination of Gold in Exploration Samples by Lead Fusion Fire Assay and Atomic Absorption Spectrometry [AAS; Au; 30g; 50g; HNO ₃ ; HCl]
GE_ICP14B	Preparation and Determination of 34 Elements in Exploration Samples by Aqua Regia Digest and Inductively Coupled Plasma Optical Emission Spectrometry [ICP-OES; Ag, Al, As, Ba, Be, Bi, Ca, Cd, Cr, Co, Cu, Fe, Hg, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sn, Sr, Ti, V, W, Y, Zn, Zr; HNO ₃ ; HCL]
GE_ICP40B	Preparation and Determination of 33 Elements in Exploration Samples by Multi-Acid Digestion and Inductively Coupled Plasma Optical Emission Spectrometry [ICP-OES; Ag, Al, As, Ba, Be, Bi, Ca, Cd, Cr, Co, Cu, Fe, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sc, Sn, Sr, Ti, V, W, Y, Zn, Zr, HNO ₃ , HCL, HF, HCLO ₄]
GO_FAG303/505	Preparation and Determination of Ore Grade Gold by Lead Fusion Fire Assay and Gravimetric Finish [Au; 30g; 50g; HNO ₃]
GO_FAG313	Preparation and Determination of Silver in Ore Grade Samples by Lead Fusion Fire Assay and Gravimetric Finish [Ag; 30g]
GO_FAG323	Preparation and Determination of Gold and Silver in Ore Grade Samples by Lead Fusion Fire Assay, for Au by AAS and Ag by Gravimetric [Au, Ag; AAS; 30g]
GO_ICP90Q	Preparation and Determination of Various Elements in Ore Grade Samples by Sodium Peroxide Fusion and Inductively Coupled Plasma Optical Emission Spectrometry [ICP-OES, As, Fe, Cu, Ni, Pb, Sb, Zn; Na ₂ O ₂]
GO_AAS10D	Preparation and Determination of Copper and Silver using Two-Acid Digestion and Atomic Absorption Spectrometry (AAS) [HNO ₃ ; HCL; Cu; Ag]



Notes:

The physical sample preparation involving accredited test methods as listed on the scope of accreditation may be performed on location or at off site SGS locations that are monitored regularly for quality control and quality assurance practices.

RG-Minerals: SCC Requirements and Guidance for the Accreditation of Mineral Analysis Testing Laboratories

ISO/IEC 17025:2017: General Requirements for the Competence of Testing and Calibration Laboratories

Elias Rafoul, Vice-President,
Accreditation Services

Date: 2019-05-31

Number of Scope Listings: 12
SCC 1003-15/831
Partner File #0
Partner: