

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

Accredited Laboratory No. 657

**Legal Name of Accredited Laboratory:** **SGS Mexico  
SGS MINERALES - DURANGO**

Contact Name: Valerie Kuch

Address: Calle Antimonio #121 Cd. Industrial C.P. 34208,  
Durango, DGO, MEXICO

Telephone: 705 652 2044

Fax: 705 652 2129

Website: [www.sgs.com](http://www.sgs.com)

Email: [Valerie.kuch@sgs.com](mailto:Valerie.kuch@sgs.com)

<b>SCC File Number:</b>	15831
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Chemical/Physical
<b>Program Specialty Area:</b>	Mineral Analysis
<b>Initial Accreditation:</b>	2009-11-10
<b>Most Recent Accreditation:</b>	2021-06-03
<b>Accreditation Valid to:</b>	2025-11-10

*Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.*

*Note: This scope of accreditation is also available in French as a separately issued document.*

## 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 <sub>3</sub> , 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 <sub>3</sub> ; 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 <sub>3</sub> ; 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 <sub>3</sub> , HCL, HF, HCLO <sub>4</sub> ]
GO_FAG303/505	Preparation and Determination of Ore Grade Gold by Lead Fusion Fire Assay and Gravimetric Finish [Au; 30g; 50g; HNO <sub>3</sub> ]
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 <sub>2</sub> O <sub>2</sub> ]
GO_AAS10D	Preparation and Determination of Copper and Silver using Two-Acid Digestion and Atomic Absorption Spectrometry (AAS) [HNO <sub>3</sub> ; HCL; Cu; Ag]

Number of Scope Listings: 12

**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

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at [www.scc.ca](http://www.scc.ca).

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Elias Rafoul  
 Vice-President, Accreditation Services  
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