

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 744

Legal Name of Accredited Laboratory: **SGS CANADA INC., MINERALS – BURNABY**

Location Name or Operating as (if applicable): BURNABY

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| SCC File Number: | 15919 |
| Accreditation Standard(s): | ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories |
| Fields of Testing: | Chemical/Physical |
| Program Specialty Area: | Mineral Analysis |
| Initial Accreditation: | 2012-04-05 |
| Most Recent Accreditation: | 2021-07-28 |
| Accreditation Valid to: | 2024-04-05 |

SCC Group Accreditation:

This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

- SCC File 15254 - SGS CANADA INC., MINERALS - LAKEFIELD, Accredited Laboratory No. 184
- SCC File 151001 - SGS CANADA INC., MINERALS - ENERGY, Accredited Laboratory No. 807
- SCC File 151041 - SGS CANADA INC., MINERALS - COCHRANE, Accredited Laboratory No. 841
- SCC File 15745 - SGS CANADA INC., MINERALS - RED LAKE, Accredited Laboratory No. 598

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

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

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| GE_AAS22E50 + GE_DIG22E50 (was GE_AAS12E) | Preparation (GE_DIG22E50) and Determination (GE_AAS22E50) of Silver in Exploration Samples by Nitric and Hydrochloric Acid Digest and Atomic-Absorption Spectroscopy [Ag] |
| GE_AAS42E50 + GE_DIG42E50 (was GE_AAS42E) | Preparation (GE_DIG42E50) and Determination (GE_AAS42E50) of Silver in Exploration Samples by Four acid Digestion and Atomic-Absorption Spectroscopy [Ag] |
| GE_FAA30V5 (was part of GE_FAA313-FAA515) | Determination of Gold in Exploration Samples by Lead Fusion Fire Assay and Atomic Absorption Spectrometry [30g.; Au;] |
| GE_FAA50V5 (was part of GE_FAA313-FAA515) | Determination of Gold in Exploration Samples by Lead Fusion Fire Assay and Atomic Absorption Spectrometry [50g.; Au;] |
| GE_FAI30V5 (was part of GE_FAI313-FAI515) | Determination of Gold, Platinum and Palladium in Exploration Samples by Lead Fusion Fire Assay and Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) [30g.; Au; Pt; Pd] |

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| <p>GE_FAI50V5 (was part of GE_FAI313-FAI515)</p> | <p>Determination of Gold, Platinum and Palladium in Exploration Samples by Lead Fusion Fire Assay and Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) [50g; Au; Pt; Pd]</p> |
| <p>GE_ICP91A50+GE_FUS91A50 (was part of GE_ICM90A)</p> | <p>Preparation (GE_FUS91A50) and Multi-element Determination of Exploration Samples using Sodium Peroxide Fusion and Inductively Coupled Plasma Optical Emission Spectrometry [Al; Ba; Be; Ca; Cr; Cu; Fe; K; Li; Mg; Mn; Ni; P; Sc; Si; Sr Ti; V; Zn]</p> |
| <p>GE_IMS91A50 + GE_FUS91A50 (was part of GE_ICM90A)</p> | <p>Preparation (GE_FUS91A50) and Multi- element Determination (GE_IMS91A50) of Exploration Samples using Sodium Peroxide Fusion and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) [Na₂O₂; HNO₃; C₄H₆O₃; Ag; As; Bi; Cd; Ce; Co; Cs; Dy; Er; Eu; Ga; Gd; Ge; Hf; Ho; In; La; Lu; Mo; Nb; Nd; Pb; Pr; Rb; Sb; Sm; Sn; Ta; Tb; Th; Tl; Tm; U; W; Y; Yb; Zr]</p> |
| <p>GE_ICP21B20 + GE_DIG21B20 (was GE_ICP14B)</p> | <p>Preparation (GE_DIG21B20) and Multi -element Determination (GE_ICP21B20) in Exploration Grade Samples by Aqua Regia Digestion and Inductively Coupled Plasma Optical Emission Spectrometry [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;]</p> |
| <p>GE_IMS21B20 + GE_DIG21B20 (was part of GE_ICM14B)</p> | <p>Preparation (GE_DIG21B20) and Multi-element Determination (GE_IMS21B20) in Exploration Grade Samples by Aqua Regia Digestion and Mass Spectrometry [Ag; As; Be; Bi; Cd; Ce; Co; Cs; Ga; Ge; Hf; Hg; In; La; Lu; Mo; Nb; Pb; Rb; Sb; Sc; Se; Sn; Ta; Tb; Te; Th; Tl; U; W; Y; Yb]</p> |
| <p>GE_ICP40Q12 + GE_DIG40Q12 (was GE_ICP40B)</p> | <p>Preparation (GE_DIG40Q12) and Multi-element Determination (GE_ICP40Q12) in Exploration Grade Samples by Four Acid Digestion and Inductively Coupled Plasma Optical Emission Spectrometry; [Ag; Al; As; Ba; Be; Bi; Cd; Ca; Cr; Co; Cu; Fe; K; La; Li; Mg; Mn; Mo; Na; Ni; P; Pb; S; Sb; Sc; Sn; Sr; Ti; W; V; Y; Zn; Zr]</p> |

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| GE_IMS40Q12 + GE_DIG40Q12 (was part of GE_ICM40B) | Preparation (GE_DIG40Q12) and Multi-element Determination (GE_IMS40Q12) in Exploration Grade Samples by Four Acid Digestion and Mass Spectrometry [Ag; As; Be; Bi; Cd; Ce; Co; Cs; Ga; Hf; In; La; Lu; Mo; Nb; Pb; Rb; Sb; Sc; Se; Sn; Ta; Tb; Te; Th; Ti; U; W; Y; Yb] |
| GO_FAG30V (was part of GO_FAG303-FAG505) | Determination of Ore Grade Gold by Lead Fusion Fire Assay and Gravimetric Finish [Au; 30g] |
| GO_FAG50V (was part of GO_FAG303-FAG505) | Determination of Ore Grade Gold by Lead Fusion Fire Assay and Gravimetric Finish [Au; 50g] |
| GO_ICP90Q100 + GO_FUS90Q100 (was GO_ICP90Q) | Preparation (GO_FUS90Q100) and Determination (GO_ICP90Q100) of Various Elements in Ore Grade Samples using Sodium Peroxide Fusion and Inductively Coupled Plasma Optical Emission Spectrometry [Co; Cu; Pb; Mo; Ni; Zn] |
| GE_CSA06V (was part of GOGCGE_CSA06V) | Determination of Sulphur and Carbon in Exploration Grade Samples by Combustion-Infrared Detection [S;C;] |
| GO_CSA06V (was part of GOGCGE_CSA06V) | Determination of Sulphur and Carbon in Ore Grade Samples by Combustion- Infrared Detection [S;C;] |
| GC_CSA06V (was part of GOGCGE_CSA06V) | Determination of Sulphur and Carbon in Ores, Concentrates and Metallurgical Samples by Combustion- Infrared Detection [S;C;] |
| GO_XRF72 (was GT GC_GO_XRF76V) | Determination of Major and Minor Element Oxides in Oxidic Materials by Borate Fusion and WD Xray Fluorescence Spectrometry [SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , MgO, CaO, Na ₂ O, K ₂ O, P ₂ O ₅ , MnO, TiO ₂ , Cr ₂ O ₃ ; V ₂ O ₅ ; XRF] |

Number of Scope Listings: 19



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.

Elias Rafoul
Vice-President, Accreditation Services
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