

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

*La présente portée d'accréditation existe également en français et est publiée séparément.*

**Legal Name of Accredited Laboratory:** **SGS CANADA INC. – NATURAL RESOURCES – MINERALS - BURNABY**

**Location Name or Operating as (if applicable):** BURNABY

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**To ensure compliance with the *Official Languages Act*, the Standards Council of Canada (SCC) translated proprietary content from English to French when it was not available in French. In case of discrepancies between the English and French versions, the original version prevails.**

<b>SCC File Number:</b>	15919
<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>	2012-04-05
<b>Most Recent Accreditation:</b>	2025-03-23
<b>Accreditation Valid to:</b>	2028-04-05

#### 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.

- 15254 - SGS CANADA INC. - NATURAL RESOURCES - MINERALS - LAKEFIELD
- 151001 - SGS CANADA INC. - NATURAL RESOURCES - MINERALS - DELTA
- 151041 - SGS CANADA INC. - NATURAL RESOURCES - MINERALS - COCHRANE
- 15745 - SGS CANADA INC. - NATURAL RESOURCES - MINERALS - RED LAKE

The physical sample preparation involving accredited test methods as listed on the scope of accreditation may be performed at the SGS CANADA INC. – NATURAL RESOURCES – MINERALS – BURNABY location, at other sites listed within the group accreditation or at offsite sample preparation laboratories that are monitored regularly for quality control and quality assurance practices:

- SGS Canada Inc, Garson – 1209 O'Neil Drive West, Garson, Ontario P3L 1L5
- SGS Canada Inc, Val-d'Or – 2905 7E Rue Val-d'Or, Quebec, J9P 6P6
- SGS Canada Inc. Grand Falls-Windsor – 3 Duggan St., Grand Falls-Windsor, NL, A2A 2K7
- SGS North America Inc, Denver – 4665 Paris St, Suite B-200, Denver, CO, 80239
- SGS North America Inc, Tempe – 1741 W University Dr, Suite #149, Tempe, AZ, 85281

## CHEMICALS AND CHEMICAL PRODUCTS

### CHEMICALS FOR AGRICULTURAL INDUSTRY:

SPPA POTASSIUM	SPPA: Saskatchewan Potash Producers Association, Inc. (SPPA) Sample Preparation Procedures Standard Analytical Procedures & Standard Physical Testing Procedures for The Analysis of Potassium ( $K_2O$ ) and Sodium Chloride (NaCl) in Potassium Chloride & Other Fertilizers [ $K_2O$ ; NaCl; KCl]
AFPC XI-16A	AFPC: Association Of Fertilizer And Phosphate Chemists Inc. Methods Of Analysis For Phosphoric Acid, Superphosphate, Triple Superphosphate And Ammonium Phosphates. Total Nitrogen – N. Combustion Method.
AFPC XI-3C	AFPC: Association Of Fertilizer And Phosphate Chemists Inc. Methods Of Analysis For Phosphoric Acid, Superphosphate, Triple Superphosphate And Ammonium Phosphates. Total Phosphorus – $P_2O_5$ . Spectrophotometric Method
AOAC 993.31. D.3	AOAC: Official Methods Of Analysis International. Phosphorus (Available) In Fertilizers. Direct Extraction Method
AFPC XIV-2	AFPC: Association Of Fertilizer and Phosphate Chemists Inc. Acidity Content in Sulfur
AFPC XIV-3	AFPC: Association Of Fertilizer and Phosphate Chemists Inc. Ash Content in Sulfur
AFPC XIV-4	AFPC: Association Of Fertilizer and Phosphate Chemists Inc. Carbon In Sulfur
AFPC XIV-5	AFPC: Association Of Fertilizer and Phosphate Chemists Inc. Moisture In Solid Sulfur
AFPC XIV-6	AFPC: Association Of Fertilizer and Phosphate Chemists Inc. Purity In Solid Sulfur
GT_ICP26Q250_CS	Determination Of Various Elements in Li Ore By 2-Acid Digestion And Icp-Oes [AL, AS, BE, BI, CA, FE, K, LI, MG, MN, P, PB, SR, ZN]

## METALLIC ORES AND PRODUCTS

## **MINERAL ANALYSIS TESTING**

### **MINERAL ASSAYING**

GE_AAS22E50	Determination Of Silver In Exploration Samples By Nitric And Hydrochloric Acid Digest And Atomic-Absorption Spectroscopy [Ag]
GE_AAS42E50	Determination Of Silver In Exploration Grade Samples By Four Acid Digestion And Atomic-Absorption Spectroscopy [Ag]
GE_FAA30V5 / GE_FAA50V5	Determination Of Gold In Exploration Samples By Lead Fusion Fire Assay And Atomic Absorption Spectrometry [Au; 30G; 50G]
GE_FAI30V5 / GE_FAI50V5	Determination Of Gold, Platinum And Palladium In Exploration Samples By Lead Fusion Fire Assay And Inductively Coupled Plasma Optical Emission Spectroscopy [Au; Pt; Pd; 30G; 50G]
GE_ICP91A50	Multi-Element Determination In Exploration Samples Using Sodium Peroxide Fusion In Glassy Carbon Crucibles 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]
GE_IMS91A50	Multi-Element Determination In Exploration Samples Using Sodium Peroxide Fusion In Glassy Carbon Crucibles And Inductively Coupled Plasma Mass Spectrometry [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]
GE_ICP21B20	Multi-Element Determination 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;]
GE_IMS21B20	Multi-Element Determination In Exploration Grade Samples By Aqua Regia Digestion And Inductively Coupled Plasma 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]
GE_ICP40Q12	Multi-Element Determination 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]
GE_IMS40Q12	Multi-Element Determination In Exploration Grade Samples By Four Acid Digestion And Inductively Coupled Plasma Mass Spectrometry [ Ag; As; Be; Bi; Cd; Ce; Co; Cs; Ga; Hf; In; La; Li; Lu; Mo; Nb; Pb; Rb; Sb; Sc; Se; Sn; Ta; Tb; Te; Th; Tl; U; W; Y; Yb]
GO_FAG30V / GO_FAG50V	Determination Of Ore Grade Gold by Lead Fusion Fire Assay and Gravimetric Finish

	[Au; 30G; 50G]
GO_ICP90Q100	Determination 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	Determination Of Sulphur and Carbon In Exploration Grade Samples By Combustion And Infrared Detection [S; C;]
GO_CSA06V	Determination Of Sulphur and Carbon In Ore Grade Samples By Combustion And Infrared Detection [S;C;]
GC_CSA06V	Determination Of Sulphur and Carbon In Ores, Concentrates And Metallurgical Samples By Combustion And Infrared Detection [S;C;]
GO_XRF72	Determination Of Major and Minor Element Oxides In Oxidic Materials By Borate Fusion And Wd Xray Fluorescence Spectrometry [SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , MgO, CaO, Na <sub>2</sub> O, K <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , MnO, TiO <sub>2</sub> , Cr <sub>2</sub> O <sub>3</sub> ; V <sub>2</sub> O <sub>5</sub> ; XRF]

Number of Listings: 26

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 [scc-ccn.ca](http://scc-ccn.ca).

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