TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory:	**SGS CANADA INC. – NATURAL RESOURCES – MINERALS – BURNABY**
Location Name or Operating as (if applicable):	BURNABY
Contact Name:	Valerie Kuch
Address:	3260 Production Way, Suite E Burnaby, BC V5A 4W4
Telephone:	705 761-6854
Website:	www.sgs.ca
Email:	Valerie.kuch@sgs.com

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:	2023-07-12
Accreditation Valid to:	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 RESOUCES - MINERALS - LAKEFIELD
- 151001 - SGS CANADA INC. - NATURAL RESOUCES - MINERALS - DELTA
- 151041 - SGS CANADA INC. - NATURAL RESOUCES - MINERALS - COCHRANE
- 15745 - SGS CANADA INC. - NATURAL RESOUCES - 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. – NATUAL 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

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 document issued separately.

CHEMICALS AND CHEMICAL PRODUCTS

Chemicals for Agricultural Industry:

SPPA Potassium in Fertilizers	SPPA: Saskatchewan Potash Producers Association, Inc. (SPPA) Sample Preparation Procedures Standard Analytical Procedures & Standard Physical Testing Procedures For The Analysis of Potassium (K2O) and Sodium Chloride (NaCl) in Potassium Chloride & other Fertilizers [K2O; NaCl; KCL]
TM_FE_TN_AFPC_XI16A	AFPC: (Association of Fertilizer and Phosphate Chemists Inc.). Combustion Method for the Analysis of Total Nitrogen in Fertilizers
TM_FE_TP_AFPC_XI3c	AFPC: (Association of Fertilizer and Phosphate Chemists Inc.). Spectrophotometric Method for the Analysis of Total Phosphorus as P_2O_5 in Fertilizers
TM_FE_AVAIL_P2O5_AOAC_993.31.D.3	(AOAC International). Direct Extraction and Gravimetric Analysis of Available Phosphorus as P_2O_5 in Fertilizers

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 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 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; 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_2, Al_2O_3, Fe_2O_3, MgO, CaO, Na_2O, K_2O, P_2O_5, MnO, TiO_2, Cr_2O_3; V_2O_5; XRF]

Other (specify):

Number of Scope Listings: 20

Notes:

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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