

SCOPE OF ACCREDITATION

AGAT LABORATORIES LTD.
5623 McAdam Road
Mississauga , ON
L4Z 1N9

Accredited Laboratory No. 665
(Conforms with requirements of CAN-P-1579)

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CLIENTS SERVED: All interested clients

FIELDS OF TESTING: Chemical/Physical

PROGRAM SPECIALTY AREA: Mineral Analysis

ISSUED ON: 2011-11-07

VALID TO: 2014-02-17

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

METALLIC ORES AND PRODUCTS

Mineral Analysis Testing

Mineral Assaying
Geotechnical Testing

MIN-12010	CRUSHING OF MINERAL TESTING SAMPLES USING ROCKLABS BOYD CRUSHER MARK III - MINING BRANCHES
MIN-12011	SAMPLE SIZE REDUCTION OF MINERAL TESTING SAMPLES - MINING BRANCHES
MIN-200-12000	Determination of Total Carbon and Sulphur in Geological Samples Using Infrared Combustion
MIN-200-12001	Determination of Sixteen (16) Metals in Geological Samples employing Peroxide Fusion with Inductively Coupled Plasma - Optical Emission Spectroscopy (ICP-OES) finish [Ni, Co, Fe, S, Mg, Pb, Si, Ca, Al, Mn, Zn, Cr, Sn, As, Mo; ICP-OES]
MIN-200-12004	Determination of Gold and Silver in Mineralogical Samples by Lead Fusion Fire Assay with Gravimetric Finish
MIN-200-12006	Determination of Gold, Platinum and Palladium in Geological Samples by Lead Fusion Fire Assay with Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) finish [Au, Pt, Pd; ICP-OES]
MIN-200-12007	Screen Analysis and Particle Size Distribution of Mineralogical Samples
MIN-200-12014	Determination of Total Nitrogen in Mineralogical Samples by Inert Gas Fusion - Thermal Conductivity Detection
MIN-200-12015	Determination of Oxides in Mineralogical Samples Using Lithium Metaborate Fusion and Inductively Coupled Plasma - Optical Emission Spectroscopy (ICP-OES) [SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, Na ₂ O, K ₂ O, Cr ₂ O ₃ , TiO ₂ , MnO, P ₂ O ₅ , SrO, BaO]
MIN-200-12016	Determination of Rare Earth Elements in Mineralogical Samples Using Lithium Borate Fusion and Inductively Coupled Plasma - Mass Spectroscopy (ICP-MS) [Ce, La, Y, Dy, Er, Eu, Gd, Ho, Lu, Tb, Tm, Yb, Nd, Pr, Sm, Th, U]
MIN-200-12018	Determination of Metals in Mineralogical Samples Using Aqua Regia (Nitric and Hydrochloric Acid) Digestion and a Combination of Inductively Coupled Plasma - Optical Emission Spectroscopy (ICP-OES) and Inductively Coupled Plasma - Mass Spectroscopy (ICP-MS) [Ag, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Ga, Ge, Hf, Hg, In, La, Li, Mn, Mo, Ni, Nb, P, Pb, Re, Rb, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Tl, U, V, W, Y, Zn, Zr]
MIN-200-12020	Determination of Metals in Mineralogical Samples Using Aqua Regia (Nitric and Hydrochloric Acid) Digestion and Inductively Coupled Plasma - Optical Emission Spectrometry (ICP-OES) [Ag, Al, As, B, Ba, Be, Bi, Fe, Ga, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U,

	V, W, Y, Zr, Zn]
MIN-200-12021	Determination of Loss on Ignition in Mineralogical Samples
MIN-200-12022	Determination of Mercury in Mineralogical Samples using Aqua Regia (Nitric and Hydrochloric Acid) Digestion and Flow Injection - Cold Vapour Atomic Absorption Spectrometry
MIN-200-12023	Determination of Gold, Platinum and Palladium in Mineralogical Samples by Lead Fusion Fire Assay with Inductively Coupled Plasma - Mass Spectroscopy (ICP-MS) Finish
MIN-200-12024	Determination of Specific Gravity in Mineralogical Samples by a Gas Pycnometer
MIN-200-12025	Determination of Acid-Base Accounting Procedure
MIN-200-12034	Determination of Metals in Mineralogical Samples Using Inductively Coupled Plasma - Optical Emission Spectroscopy (ICP-OES) Following Four Acid Digestion [Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, In, K, La, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zr, Zn]
MIN-200-12035	Determination of Metals in Mineralogical Samples using Four Acid Digestion and a Combination of Inductively Coupled Plasma - Optical Emission Spectroscopy (ICP-OES) and Inductively Coupled Plasma - Mass Spectroscopy (ICP-MS) [Ag, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Ga, Ge, Hf, Hg, In, La, Li, Mn, Mo, Ni, Nb, P, Pb, Re, Rb, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Tl, U, V, W, Y, Zn, Zr]

Notes:

CAN-P-1579: Requirements for the Accreditation of Mineral Analysis Testing Laboratories

S. Cross, Director, Conformity Assessment

Date: 2011-11-07

Number of Scope Listings: 19

SCC 1003-15/833

Partner File #0

Partner: