

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 13

Legal Name of Accredited Laboratory: **Corem laboratoire des services analytiques**

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SCC File Number:	15032
Provider:	BNQ-EL
Provider File Number:	27833-1
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:	1984-08-15
Most Recent Accreditation:	2020-12-18
Accreditation Valid to:	2024-08-15

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

Metallic Ores:

Rocks and Ores

LSA-M-FX (A25)	Determination of Major and Minor Elements (Si, Al, Fe, Mg, Ca, Na, K, Ti, Mn, P, Cr, V, Zr and Zn) in Various Mineral Matrices Using X-ray Fluorescence (XRF) Spectrometry Following Fusion
LSA-M-FX (A32)	Determination of Major and Minor Elements (Si, Al, Fe, Mg, Ca, Na, K, Ti, Mn, P, Cr, V, Zr and Zn) in Various Mineral Matrices Rich in Carbonates Using X-ray Fluorescence (XRF) Spectrometry Following Fusion
LSA-M-AG	Determination of Silver (Ag) in Various Mineral Matrices Using ICP-MS or ICP-OES Following 2-Acid Digestion (HNO ₃ , HCl)
LSA-M-SC (B10)	Determination of Graphitic Carbon in Various Mineral Matrices Using Infrared Combustion Furnace Following a Treatment with Nitric Acid
LSA-M-B116	Determination of Rare Earth Elements (Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu) in Various Mineral Matrices Using ICP-MS Following Lithium Metaborate Fusion
LSA-M-SC (B12)	Determination of Organic and Graphitic Carbon in Various Mineral Matrices Using Infrared Combustion Furnace Following a Treatment with Hydrochloric Acid
LSA-M-B121	Determination of Metallic Iron in Direct Reduced Iron and Hot Briquetted Iron Using Potassium Dichromate Titration Following Iron(III) Chloride Oxidation
LSA-M-B18	Determination of Total Iron in Concentrated and Agglomerated Iron Ores Using Potassium Dichromate Titration Following Fusion
LSA-M-AU	Determination of Gold in Various Mineral Matrices Using ICP-MS or ICP-OES Following Fire Assay
LSA-M-B33	Determination of Loss on Ignition (LOI) on Various Mineral Matrices at 1 050°C by Muffle Furnace Using Gravimetric Method
LSA-M-TGA	Determination of Loss on Ignition (LOI) on Various Mineral Matrices at 1 000°C by Gravimetric Method Using Thermogravimetric Analyzer (TGA)
LSA-M-SC (B41)	Determination of Total Sulfur in Various Mineral Matrices Using Infrared Combustion Furnace
LSA-M-SC (B45)	Determination of Total Carbon in Various Mineral Matrices Using Infrared Combustion Furnace
LSA-M-B85	Determination of Iron(II) in Various Mineral Matrices Using Potassium Dichromate Titration Following 2-Acid Digestion (HCl, HF)
LSA-M-ICP-4A	Determination of 26 Elements (Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sc, Sr, Th, Ti, V and Zn) in Various Mineral Matrices Using a combination of ICP-MS and ICP-OES Following a 4-Acid Digestion
LSA-M-LI	Determination of Lithium (Li) in Various Mineral Matrices Using ICP-MS or ICP-OES Following a 4-Acid Digestion

Number of Scope Listings: 16

Notes:

ISO/IEC 17025:2017: General requirements for the competence of testing and calibration laboratories

ICP-OES: Inductively Coupled Plasma - Optical Emission Spectrometry

ICP-MS: Inductively Coupled Plasma - Mass Spectrometry

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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