



Metallurgy Kamloops

Test Work Services and Capabilities



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ALS Metallurgy Kamloops is the global leader in bankable metallurgical testing and consulting services for mineral process flowsheet development and optimization.

We offer mineral processing testing by both bench scale and pilot scale facilities, hydrometallurgical and mineralogical test services, and project management by expert metallurgists.

Metallurgical Laboratory

One, Two and Three Product Flotation Flowsheets (Rougher, Cleaner and Cycle) and Reagent Schemes

Coarse Particle Flotation

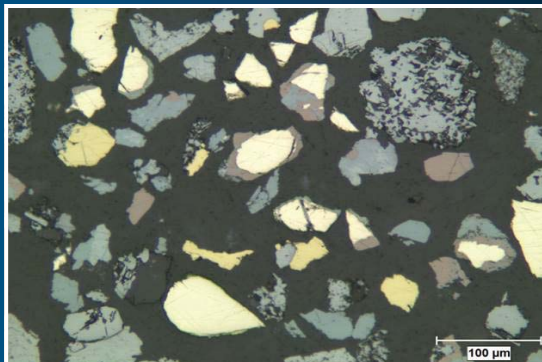
Mild Steel, Inert and Stirred Mill Grinding Applications

Gravity Concentrations

Leaching Applications (including Cyanide and Acid)

Settling and Filtration Tests, Viscosity Measurements

Magnetic Separation, Davis Tube



Mineralogy Laboratory

Mineral Identification

Mineral Fragmentation and Liberation

Modal Analysis

ADIS—Automated Digital Imaging Search

QEMSCAN

X-Ray Diffraction (XRD)

Process Mineralogy/Plant Survey Analysis

Characterization of Concentrates

Trace Mineral Search

Analytical Laboratory

Atomic Absorption and ICP Analysis

Leco Sulphur/Carbon Analyzer

Fire Assay

Multi-acid Digestions and Fusions

Classic Titration and Gravimetric Analysis

Assay Methods Calibrated to Certified Reference Materials



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Sample Preparation/Sizing

Attritioning
Blending
Bulk Density
Compositing
Crushing
Cyclosizing
Desliming
Grinding
Laser Sizing
Moisture Content Determination
Particle Size Distribution Analysis
Pulp Density Determination
Screening—Wet/Dry
Specific Gravity, Bulk Density
Size-By-Size Analysis
Splitting



Comminution

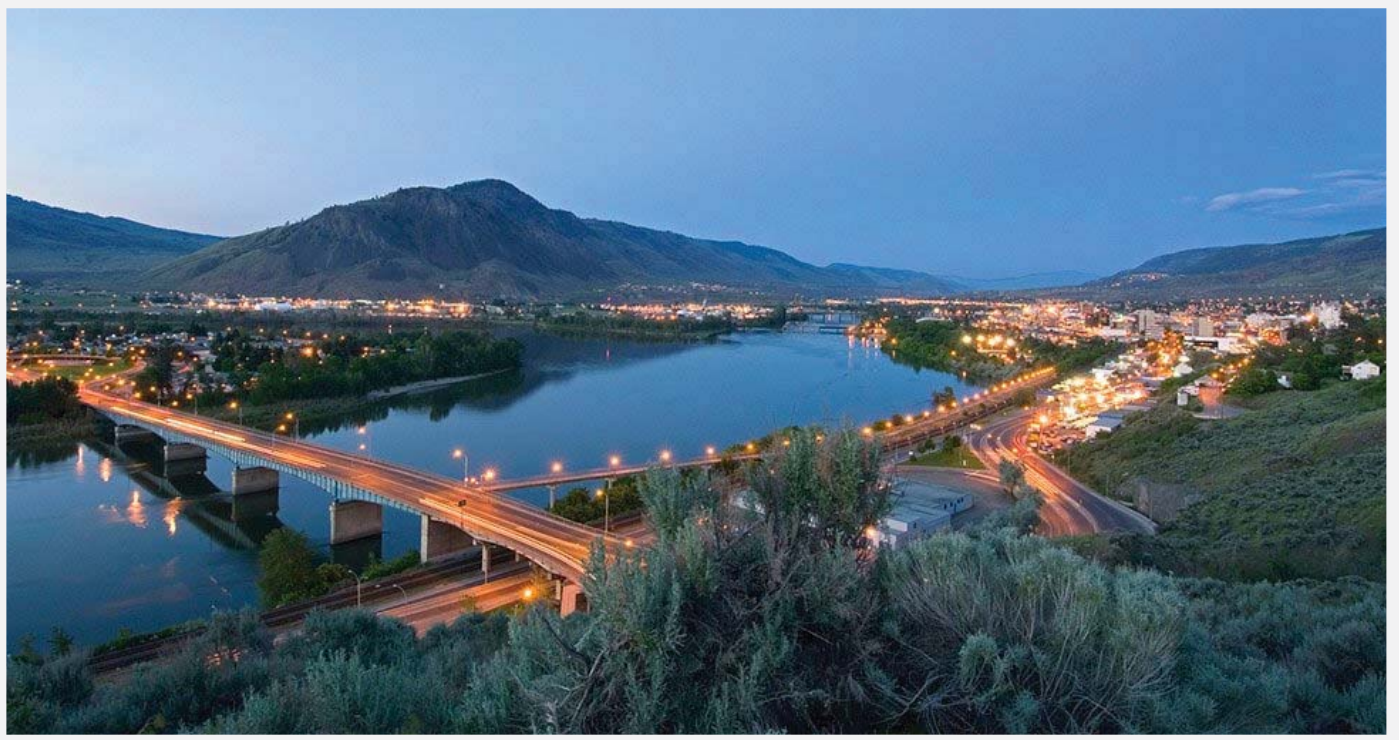
Bond Abrasion Index
Bond Ball Mill Work Index
Bond Rod Mill Work Index
Bond Impact Crushing Work Index
Bond Low Energy Impact Test
JK Drop Weight and SMC
Levin Open Circuit Grindability
Point Load
Core Cutting Capability

Pilot Plant

Feed Rates Ranging Between 60 to 200 kg/hr
Representative Concentrate and Tailings Production
Wide Variety of Flowsheet Arrangements
Magnetic Separation Low and Medium Intensity
Dense Media Separation
IsaMill Signature Plot



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ALS Metallurgy Kamloops



ALS Metallurgy Kamloops is a fully integrated mineral processing laboratory. Our facility is located in Kamloops, BC with 20,000 square feet of laboratory and office space with about 55 technical staff. Our operation is ISO 9001:2008 certified. ALS Metallurgy has established a reputation as a leader in process development, circuit optimization and mineralogical analysis.

ALS Metallurgy is a multi-faceted global business and can provide a range of further testing services at its various branches.

Contact Us

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