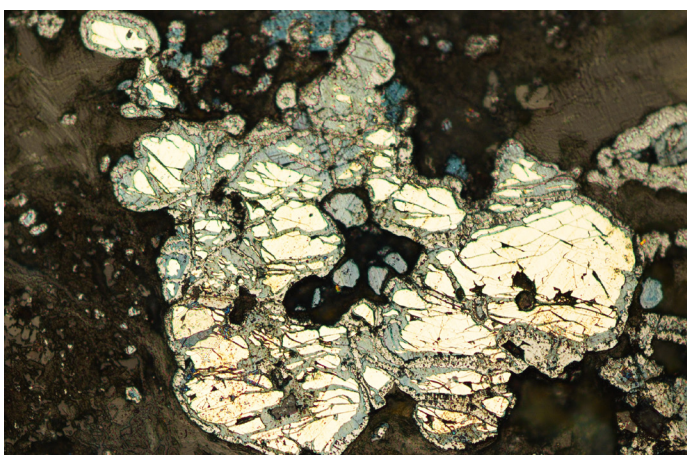


Tailings Testing Services

As the industry leader in hard rock testing and evaluation, AGAT Laboratories is at the forefront of comprehensive tailings analysis. With over 45 years of global analytical testing and diverse experience, AGAT's science team leads the way in providing services throughout the life cycle of a mining project.

AGAT is the trusted industry partner, providing customized solutions for tailings testing. Tailings management continues to be a key driver in evaluating environmental impact and project feasibility. AGAT provides the highest standards in the evaluation and reporting of tailings data, ensuring reliable results across all stages of your project.



High magnification view of aggregated pyrite dodecahedrons with rinds or crusts of magnetite and hematite, indicating oxidation. x200 episcopic (reflected) light.

AGAT has a full suite of tailings testing to help you in your tailings management planning:

- Acid Rock Drainage (ARD) Static Tests
 - Acid-Base Accounting (ABA)
 - Shake Flask Extraction (SFE) Test
 - Kinetic Humidity Cell Test
 - Net Acid Generating (NAG) Test
- Advanced Soil Mechanics
 - Direct Shear, Direct Simple Shear, Cyclic
 - Cyclic Triaxial Loads
 - Consolidation Testing; 1D Oedometer Analysis
- Routine Geotechnical Analysis
 - Atterberg Testing; Liquid Limit and Plastic Limit
 - Gradation; Particle Size Distribution (PSD) Laser Analysis; Sieve Analysis; Hydrometer Analysis
 - Moisture
 - Proctor Analysis
 - Specific Gravity, Relative Density
 - Hydraulic Conductivity by Constant and Falling Head
- Capillary Suction Time (CST)
- Soil Water Characteristic Curves (SWCC)
- Linear Swell Meter
- Water Chemistry
 - Selenium, Arsenic, Boron, Phenols, Metals
- Geology / Mineralogy
 - Quantitative Evaluation of Minerals by Scanning Electron Microscopy (QEMScan)
 - Scanning Electron Microscopy (SEM)
- Petrography Thin Section
- X-ray Diffraction (XRD) and X-ray Fluorescence (XRF)