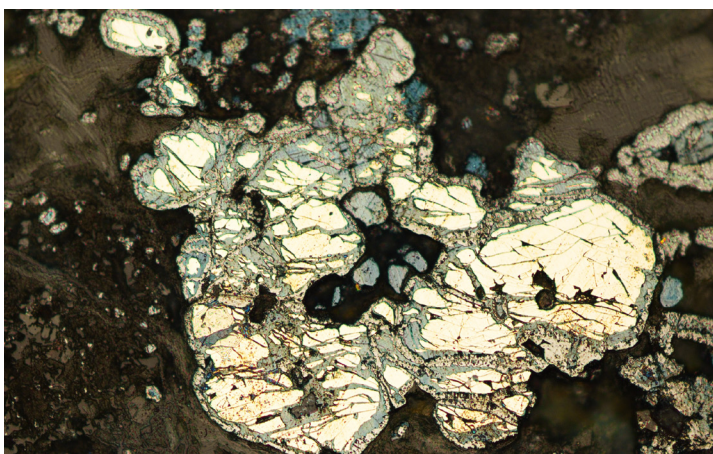


AGAT Laboratories 

AGAT Tailings Testing Services

As the industry leader in hard rock testing and evaluation, AGAT Laboratories is at the forefront of tailings analyses. With over 40 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 routine and 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.



▶ 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 testing – acid-base accounting and shake flask extraction (SFE)
 - ▶ Kinetic testing – kinetic cells (humidity cells)
- Particle size distribution (PSD)
 - ▶ Laser analysis
 - ▶ Sieve analysis
 - ▶ Hydrometer analysis
- Specific gravity
- Atterberg testing
 - ▶ Liquid limit
 - ▶ Plastic limit
- Compaction testing by proctor analysis
- QEMSCAN and SEM
- Thin section
- XRD and XRF
- Hydraulic conductivity by constant and falling head
- Water chemistry including, selenium, arsenic, boron, phenols, metals
- Capillary suction time (CST)
- Linear swell meter to evaluate swelling of consolidated tailings in various fluids