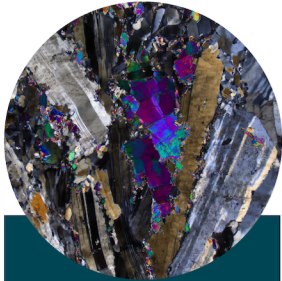




LITHIUM RESOURCES EXPLORATION TO EXPORT



CORE PETROGRAPHY

From core samples to RC chips petrographic examination is the only way to understand mineral genesis, textural relationships, and in situ exploration targeting vectors.

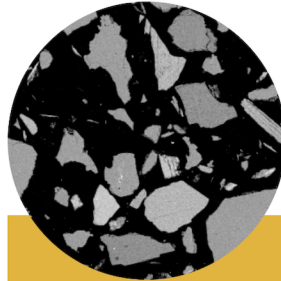
Stereoscopic and thin section petrographic investigations are available to understand your geology fully, including speciation of critical minerals, primary and secondary origins, and potential processing pitfalls.



XRD MINERALOGY

XRD provides data on mineral phases and abundances, weathering and alteration, crystallite size, substitutions, disorder and amorphous content.

Whilst some lithium minerals can only be confirmed by petrography, XRD provides a fast, cheap, bulk option to characterise large numbers of samples across drilling campaigns or during processing.



PROCESS OPTIMISATION

Mineral Liberation analysis, XRD, SEM EDS, and chemical analysis can be combined to develop and refine your extraction process, and to explain process anomalies and unexpected results.

From laboratory, to pilot, to production scale, these techniques can grow your understanding of the chemical and physical mechanisms of your mineral process.



DANGEROUS GOODS

Understanding the potential hazards of your product and processes is critical to ensuring the safety of personnel and compliance with current regulations.

Testing in accordance with the IMSBC code for Materials Hazardous in Bulk and with the IMDG code for Dangerous Goods, allows for comprehensive SDS generation to ensure confident and safe production, handling, and shipping of your product.



SHIPPING

Preparing your product for shipping includes more than paperwork: determining the TML, DEM, environmental impact, transport class, and packaging requirements are all part of the journey.

Ensuring that all of the testing required by IMO, AMSA, Port Authorities, DMIRS, and the disport country is completed prior to shipment is imperative to ensure smooth, safe, sailing.

