

Services Brochure

www.geochempet.com



TMR Quarry Assessment and Certification

Experienced in providing required reports for commercial quarries



Concrete Analysis & Engineering Investigations

Specialists in forensic investigation of concrete



Petrographic Analysis

Identification and analysis of rock, sand, drill core and drill chips samples



Geochemical Analysis

Geological interpretation of results from multiple test methods



Thin Section Services

Custom made standard and polished petrographic slide samples

TMR Quarry Assessment and Certification

With the changes associated with the new TMR quarry certification, Geochempet is situated perfectly with the experience and resources needed to get the job done.

We are currently exclusively providing the required reports and application for a number of the largest quarries in SEQ and NQ for QRS2, QRS3 and QRS4. We provide competitive industry rates and more importantly expertise that no other company can offer.

- QRS2
- QRS3
- QRS4
- Q188
- ASTM C295
- Sight assessment for geological interpretation

Concrete Analysis & Engineering Investigations

Geochempet is the leading company when it comes to hardened concrete analysis as well as engineering investigations. Over the last 20 years we have led many in depth investigation in product failures and preventive research for leading construction and supply companies. With specialist knowledge and experience in deleterious alkaline silica reactivity and other common causes for deteriorating hardened concrete structures such as bridges and roads as well as experience in tiles and other concrete based building products.

Petrographic Analysis

We provide many different types of petrographic reports these include Standard petrographic reports for engineering Purposes and Exploration and petrogenises.

- Engineering Application:
 - Standard Petrographic Report on a Single Rock Type
 - Secondary Mineral Content
 - Standard Petrographic Report on Sand
 - Asbestos Analysis
- Exploration Application:
 - Brief Exploration Petrographic Report
 - Detailed Exploration Petrographic Report
 - Frictional Ignition Testing
 - Shape Analysis (Roundness and Sphericity)

Geochemical Analysis

X-Ray Diffraction

Qualitative XRD – Identification of single minerals or qualitative identification (i.e. – reported as major, minor and trace) of mineral assemblages including interpretation of results

Quantitative XRD - Identification and quantitative estimates of the abundances (i.e. – expressed in nominal weight percent) of clays and other minerals in a rock or soil including interpretation of results.

X-Ray Fluorescence/ Geochemical Analysis

Rock analysis, using different analytical techniques including interpretation of results.

Resource Geochemical Testing

Providing detailed reports on a number of geochemical analyses used in the exploration, mining and resource industries. These reports include providing testing and interpretation and recommendations of the results obtained.

- SEM/EDS
- XRF
- XRD
- LOI
- FTIR

Thin Section Services

Quality services

We have a full-service sample preparation laboratory with experienced technicians and fast turnaround.

We have worked on samples from all around the World including Japan, Papua New Guinea, Fiji, Africa, America and Canada. We have also done work on extra-terrestrial rock samples obtained from meteorites. We have worked with the electronic and the development industry to produce thin sections used to evaluate product design and ensure that their given product meet the standards expected.

We understand that samples are often very rare and very expensive to obtain and always treat them with the respect that a client would expect.

- Standard Thin Section
- Polished Thin Section
- Resin Grain Mounts
- Sample Prep
- Core Polishing
- Rock Cutting