

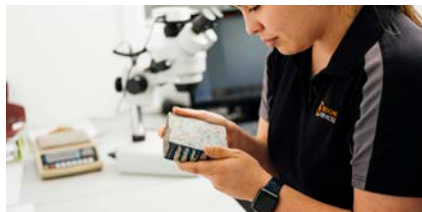
# Services Brochure

[www.geochempet.com](http://www.geochempet.com)



## TMR Quarry Assessment and Certification

Experienced in providing required reports for commercial quarries



## Concrete Analysis and 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

Geochempet has the experience and resources needed to get the job done for TMR quarry assessment and certification.

Geochempet provides 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 and Engineering Investigations

Geochempet is the industry leader in hardened concrete analysis and engineering investigations. Over the last 20 years we have led many in-depth investigations in product failures and preventative research for leading construction and supply companies.

Our specialist knowledge and experience is used to identify deleterious alkaline silica reactivity and other common causes for deteriorating hardened concrete structures such as bridges, roads and building products.

## Petrographic Analysis

We provide many different types of petrographic reports, including standard petrographic reports for engineering purposes, exploration and petrogenesis.

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

Geochempet's full-service sample preparation laboratory has experienced technicians and a fast turnaround service.

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 preparation
- Core polishing
- Rock cutting