



SERVICE DATA SHEET

Laboratory Testing Services

Our purpose built laboratories (soil & rock and specialist) carry out a comprehensive range of testing in accordance with BS 1377, BS 812, ASTM, Internal Procedures and ISRM standards. The laboratory is accredited for a broad range of soil and rock testing procedures by the United Kingdom Accreditation Service (UKAS) to ISO 17025: 2005. Surveillance visits and full reassessment are conducted yearly by UKAS to provide conformity feedback on the testing and laboratory procedures encompassed by the accreditation schedule. We also undertake inter laboratory assessment schemes to ensure compliance and accuracy with regards to reported parameter values. Internal audits are also carried out on a regular basis on technician competence and our laboratory management systems.

We have in-house capability to undertake an appreciable range of routine testing at competitive rates in accordance with the specification. All result certificates are processed using various software packages and organised in a fashion that highlights the selected geotechnical requirements. The laboratory is serviced from a large purpose built stores for the safe and controlled storage of all types of samples. Recent proactive quality audits and inter-departmental consultations have resulted in an overhaul of our sampling and sample storage procedures in order to improve our Client services.

Testing Services

- ◆ Classification testing (moisture content, Atterberg limits, particle size distribution analysis, particle density, shrinkage limit and maximum and minimum density).
- ◆ One dimensional consolidation and permeability (falling and constant) testing.
- ◆ Quick undrained triaxial (without the measurement of pore water pressure) and laboratory shear vane testing.
- ◆ California Bearing Ratio (CBR) testing including soaked analysis.
- ◆ Compaction testing (2.5kg, 4.5kg and vibrating hammer procedures) in standard Proctor and CBR moulds. Lime/cement soil conditioning trials. Moisture condition value (MCV) analysis using five (calibration) or single point procedures.
- ◆ Point load testing.
- ◆ Effective stress (CUT and CDT) and shear box (60mm or 100mm) testing.



Summary

Wide range of routine and more complex laboratory services on offer which should be sufficient for the vast majority of investigation requirements.

Dedicated, well trained and experienced laboratory technicians operating in a quality controlled environment underpinned by a robust management system.

Client focused services with a friendly can-do and helpful attitude.

Accompanying site in-situ testing services encompassing plate load (various plate sizes 310mm to 850mm diameters), CBR, sand replacement, Panda and TRRL probing procedures.

On site sample collection and acquisition.

Benefits

- Wide range of testing services to accompany our operations on site—a one stop shop approach to our service delivery.
- UKAS accredited quality assurance and experienced laboratory technicians overseeing the process.
- Large purpose built facilities for the controlled storage of all sample types.
- An excellent track record in over-water operations.

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No: OHS 599062



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