


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

| | | |
|--|--|---|
|  Accredited to ISO/IEC 17025:2005 | Geolabs Limited | |
| | Issue No: 019 | Issue date: 05 July 2018 |
| | Bucknalls Lane Garston Watford Hertfordshire WD25 9XX | Contact: Mr J R Masters Tel: +44 (0)1923-892190 Fax: +44 (0)1923-892191 E-Mail: admin@geolabs.co.uk Website: www.geolabs.co.uk |
| Testing performed by the Organisation at the locations specified | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | | Activity | Location code |
|--|--|---|---------------|
| Address Bucknalls Lane Garston Watford Hertfordshire WD25 9XX | Local contact Mr J R Masters | Testing: Soils - mechanical tests & physical tests | Watford |
| Address Unit D3 HRS Business Park Granby Avenue Birmingham B33 0SJ | Local contact Mr J Reynolds | Testing: Soils - mechanical tests & physical tests | Birmingham |



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DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|---|---|--|-----------------------|
| GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil | Water content | BS EN ISO 17892-1:2014 | Watford Birmingham |
| | Bulk density - linear measurement method | BS EN ISO 17892-2:2014 | Watford Birmingham |
| | Determination of bulk density – immersion in fluid method | BS EN ISO 17892-2:2014 | Watford Birmingham |
| | Determination of particle density – fluid pycnometer method | BS EN ISO 17892-3:2015 | Watford Birmingham |
| | Determination of particle size distribution -sieving method -pipette method | BS EN ISO 17892-4:2016 | Watford Birmingham |
| | Determination of particle size distribution -hydrometer method | BS EN ISO 17892-4:2016 | Birmingham |
| | Incremental loading oedometer test | BS EN ISO 17892-5: 2017 | Watford |
| SOILS for civil engineering purposes | Moisture content - oven drying method | BS 1377- 2:1990 | Watford Birmingham |
| | Liquid limit - cone penetrometer | BS 1377- 2:1990 | Watford Birmingham |
| | Liquid limit - cone penetrometer - one point | BS 1377- 2:1990 | Watford Birmingham |
| | Plastic limit | BS 1377- 2:1990 | Watford Birmingham |
| | Plasticity index and liquidity index | BS 1377- 2:1990 | Watford Birmingham |
| | Particle size distribution - wet sieving | BS 1377- 2:1990 | Watford Birmingham |



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| SOILS for civil engineering purposes (cont'd) | Particle size distribution - dry sieving | BS 1377- 2:1990 | Watford Birmingham |
| | Particle size distribution - sedimentation pipette method | BS 1377- 2:1990 | Watford Birmingham |
| | Particle size distribution - sedimentation hydrometer method | BS 1377- 2:1990 | Birmingham |
| | Dry density/moisture content relationship (2.5 kg rammer) | BS 1377- 2:1990 | Watford Birmingham |
| | Dry density/moisture content relationship (4.5 kg rammer) | BS 1377- 4:1990 | Watford Birmingham |
| | California Bearing Ratio (CBR) | BS 1377- 4:1990 | Watford Birmingham |
| | Measurement of swelling of soaked CBR specimen | BS 1377- 4:1990 | Watford Birmingham |
| | One-dimensional consolidation properties | BS 1377- 5:1990 | Watford |
| | Permeability in a triaxial cell | BS 1377- 6:1990 | Watford |
| | Unconfined compressive strength - load frame method | BS 1377- 7:1990 | Watford Birmingham |
| | Undrained shear strength – triaxial compression without measurement of pore pressure | BS 1377- 7:1990 | Watford Birmingham |
| | Undrained shear strength – triaxial compression with multistage loading and without measurement of pore pressure | BS 1377- 7:1990 | Watford Birmingham |
| | Shear strength - small shearbox | BS 1377- 7:1990 | Watford |
| | Residual strength - small ring shear apparatus | BS 1377- 7:1990 | Watford |



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| SOILS for civil engineering purposes (cont'd) | Shear strength – large shearbox | BS 1377- 7:1990 | Watford |
| | Effective shear strength – consolidated-undrained triaxial compression test with measurement of pore pressure | BS 1377- 8:1990 | Watford |
| | Effective shear strength – consolidated-drained triaxial compression test with measurement of volume change | BS 1377- 8:1990 | Watford |
| | Effective shear strength – consolidated drained multistage triaxial compression test with measurement of volume change | Documented In-House Method Test Procedure 38 | Watford |
| | Effective shear strength – consolidated undrained multistage triaxial compression test with measurement of pore pressure | Documented In-House Method Test Procedure 38 | Watford |
| | Uniformity coefficient | Specification for Highway Works table 6/1 footnote 5 | Watford Birmingham |
| ROCK | <u>Mechanical & Physical Tests</u> | | |
| | Water Content. | The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006, Editors: R Ulusay & J A Hudson | Watford |
| | Porosity and density-by saturation and caliper techniques. | The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006, Editors: R Ulusay & J A Hudson | Watford |



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| ROCK (cont'd) | Determination of point load strength and anisotropy indices (loads from 2 to 55kN). | The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006, Editors: R Ulusay & J A Hudson | Watford |
| | Unconfined Compressive Strength (loads from 10 to 2000kN) | The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006, Editors: R Ulusay & J A Hudson | Watford |
| | Determination of Indirect Tensile Strength – Brazil Test | The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006, Editors: R Ulusay & J A Hudson | Watford |
| | Preparation of rock cores for strength testing | ASTM D4543-08 | Watford |

END