Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

1982

Accredited to ISO/IEC 17025:2017

Geolabs Limited

Issue No: 029 **Issue date:** 27 March 2025

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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 Midlands Office Albany House Station Road Coleshill North Warwickshire B46 1HT.	**Local contact** Mr J Reynolds	Testing: Soils - mechanical tests & physical tests	Midlands

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 +A1:2022	Watford Midlands
	Bulk density - linear measurement method	BS EN ISO 17892-2:2014	Watford Midlands
	Determination of bulk density – immersion in fluid method	BS EN ISO 17892-2:2014	Watford Midlands
	Determination of particle density – fluid pycnometer method	BS EN ISO 17892-3:2015	Watford Midlands
	Determination of particle size distribution -sieving method -pipette method	BS EN ISO 17892-4:2016	Watford Midlands
	Determination of particle size distribution -hydrometer method	BS EN ISO 17892-4:2016	Midlands
	Incremental loading oedometer test	BS EN ISO 17892-5: 2017	Watford Midlands
	Unconfined compression test	BS EN ISO 17892-7:2018	Watford Midlands
	Unconsolidated undrained triaxial test	BS EN ISO 17892-8:2018	Watford Midlands
	Isotropically consolidated triaxial compression tests on water saturated soils	BS EN ISO 17892-9:2018	Watford
	Consolidated triaxial compression tests on water saturated soils, Anisotropic consolidation (CAU and CAD tests)	BS EN ISO 17892-9:2018	Watford
	Direct Shear Tests – Small Shearbox	BS EN ISO 17892-10:2018	Watford

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 (cont'd)	Direct Shear Tests – Large Shearbox	BS EN ISO 17892-10:2018	Watford
	Direct Shear Tests – Ring Shear Test	BS EN ISO 17892-10:2018	Watford
	Permeability in a triaxial cell	BS EN ISO 17892-11 2019	Watford
	Determination of liquid limit by the fall cone method	BS EN ISO 17892-12 2018 +A2:2022	Watford Midlands
	Determination of plastic limit	BS EN ISO 17892-12 2018 +A2:2022	Watford Midlands
	Plasticity Index and Liquidity Index	BS EN ISO 17892-12 2018 +A2:2022	Watford Midlands
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377- 2:1990 BS1377-2: 2022	Watford Midlands
	Liquid limit - cone penetrometer	BS 1377- 2:1990 BS1377-2: 2022	Watford Midlands
	Liquid limit - cone penetrometer - one point	BS 1377- 2:1990 BS1377- 2: 2022	Watford Midlands
	Plastic limit	BS 1377- 2:1990 BS1377- 2: 2022	Watford Midlands
	Plasticity index and liquidity index	BS 1377- 2:1990 BS1377- 2: 2022	Watford Midlands
	Particle size distribution - wet sieving	BS 1377- 2:1990 BS1377- 2: 2022	Watford Midlands
	Particle size distribution - dry sieving	BS 1377- 2:1990 BS1377- 2: 2022	Watford Midlands
	Particle size distribution - sedimentation pipette method	BS 1377- 2:1990 BS1377- 2: 2022	Watford Midlands
	Particle size distribution - sedimentation hydrometer method	BS 1377- 2:1990 BS1377- 2: 2022	Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377- 4:1990 BS1377- 2: 2022	Watford Midlands
	Determination of Electrical Resistivity	BS 1377-3: 2018 + A1: 2021	Watford
	Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe	ASTM D5334 – 22A	Watford
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377- 4:1990 BS1377- 2: 2022	Watford Midlands
	California Bearing Ratio (CBR)	BS 1377- 4:1990 BS1377- 2: 2022	Watford Midlands
	Measurement of swelling of soaked CBR specimen	BS 1377- 4:1990 BS1377- 2: 2022	Watford Midlands
	Moisture condition value – natural moisture content	BS 1377- 4:1990 BS1377- 2: 2022	Watford Midlands
	MCV / moisture content relation	BS 1377- 4:1990 BS1377- 2: 2022	Watford Midlands
	Soil-steel interface (ICP) ring shear test	ICP design methods for driven piles in sands and clays' –Jardine et al 2005 (Appendix A)	Watford
	One-dimensional consolidation properties	BS 1377- 5:1990 BS1377- 2: 2022	Watford Midlands
	One Dimensional Consolidation Properties of Saturated Cohesive Soils using Controlled-Strain Loading	ASTM D4186 / D4186M - 20^{E1}	Watford
	Permeability in a triaxial cell	BS 1377- 6:1990 BS1377- 2: 2022	Watford
	Unconfined compressive strength - load frame method	BS 1377- 7:1990 BS1377- 2: 2022	Watford Midlands

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS for civil engineering purposes (cont'd)	Undrained shear strength – triaxial compression without measurement of pore pressure	BS 1377- 7:1990 BS1377- 2: 2022	Watford Midlands
	Undrained shear strength – triaxial compression with multistage loading and without measurement of pore pressure	BS 1377- 7:1990	Watford Midlands
	Shear strength - small shearbox	BS 1377- 7:1990 BS1377- 2: 2022	Watford
	Residual strength - small ring shear apparatus	BS 1377- 7:1990 BS1377- 2: 2022	Watford
	Shear strength – large shearbox	BS 1377- 7:1990 BS1377- 2: 2022	Watford
	Uniformity coefficient	Specification for Highway Works table 6/1 footnote 5	Watford Midlands
	Effective shear strength – consolidated-undrained triaxial compression test with measurement of pore pressure	BS 1377- 8:1990 BS1377- 2: 2022	Watford
	Effective shear strength – consolidated-drained triaxial compression test with measurement of volume change	BS 1377- 8:1990 BS1377- 2: 2022	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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ROCK	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
	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
	Slake durability index	The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006	Watford
	Cerchar abrasivity test	The ISRM Suggested Methods for Rock Characterization Testing and Monitoring: 2007 – 2014	Watford
	Cerchar abrasivity test	ASTM D7625-10	Watford
	Preparation of rock cores for strength testing	ASTM D4543-08	Watford

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ROCK (cont'd)	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
AGGREGATES	Particle size distribution – sieving method	BS EN 933-1: 2012	Watford
	Particle density and water absorption – pyknometer method	BS EN 1097-6: 2013	Watford
END			