Schedule of Accreditation

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

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Accredited to ISO/IEC 17025:2005

Professional Soils Laboratory Ltd

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5/7 Hexthorpe Road
Hexthorpe
Doncaster
DN4 0AR

Contact: Mr A Watkins
Tel: +44 (0)844 815 6641
Fax: +44 (0)844 815 6642
E-Mail: awatkins@prosoils.co.uk
Website: www.prosoils.co.uk

Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address 5/7 Hexthorpe Road Hexthorpe Doncaster DN4 0AR	**Local contact** Mr A Watkins Tel: +44 (0)844 815 6641 Fax: +44 (0)844 815 6642	Aggregates Rock & and Soils	Laboratory

Site activities performed away from the locations listed above:

Location details	Activity	Location code
All locations suitable for the activities listed	Soils	Site

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Particle size distribution - sieving method	BS EN 933-1:2012	Laboratory
	Determination of resistance to fragmentation by the Los Angeles test method	BS EN 1097-2-2010	Laboratory
ROCK	Point load strength	ISRM Commission on Testing Methods, Suggested Method for Determining Point Load Strength 1985	Laboratory
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	Laboratory
	Saturation moisture content of chalk	BS 1377-2:1990	Laboratory
	Liquid limit - cone penetrometer	BS 1377-2:1990	Laboratory
	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	Laboratory
	Linear shrinkage	BS 1377-2:1990	Laboratory
	Plastic limit	BS 1377-2:1990	Laboratory
	Plasticity index and liquidity index	BS 1377-2:1990	Laboratory
	Particle density - gas jar	BS 1377-2:1990	Laboratory
	Particle size distribution - wet sieving	BS 1377-2:1990	Laboratory
	Particle size distribution - dry sieving	BS 1377-2:1990	Laboratory
	Uniformity coefficient	Specification for Highways Works – Table 6/1 footnote 5	Laboratory

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)	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	Laboratory
	Density –linear measurement	BS 1377-2:1990	Laboratory
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	Laboratory
	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	Laboratory
	California Bearing Ratio (CBR)	BS 1377-4:1990	Laboratory
	Moisture condition value MCV - natural moisture content	BS 1377-4:1990	Laboratory Site
	Moisture condition value MCV/moisture content relation	BS 1377-4:1990	Laboratory
	One-dimensional consolidation properties	BS 1377-5:1990	Laboratory
	One dimensional swell / strain	Documented In-House method No. IHLTP01:May 2011	Laboratory
	Permeability in a triaxial cell	BS 1377-6:1990	Laboratory
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377-7:1990	Laboratory
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure	BS 1377-7:1990	Laboratory
	Shear strength – small shearbox	BS 1377-7:1990	Laboratory

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)	Shear strength – large shearbox	BS 1377-7:1990	Laboratory
	Effective angle of internal friction and effective cohesion of earthworks materials	BS 1377:Part 7:1990 and Specification for Highway Works: February 2016: clause 636	Laboratory
	Residual shear strength - ring shear apparatus	BS 1377-7:1990	Laboratory
	Effective shear strength - consolidated-undrained triaxial compression test with measurement of pore pressure	BS 1377-8:1990	Laboratory
	Effective shear strength - consolidated-undrained triaxial compression test with measurement of pore pressure - multistage tests	DIHM LTP13	Laboratory
	Effective shear strength - consolidated-drained triaxial compression test with measurement of volume change	BS 1377-8:1990	Laboratory
	Effective shear strength - consolidated-drained triaxial compression test with measurement of volume change - multistage tests	DIHM LTP12	Laboratory
	Soil suction (filter-paper method)	Documented In-House Method based on BRE IP4/93 No. IHLTP02:May 2011	Laboratory
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377-9:1990	Site
	In-situ density - sand replacement method (large pouring cylinder	BS 1377-9:1990	Site
	In-situ density - core cutter method	BS 1377-9:1990	Site

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)	Vertical deformation and strength characteristics by the incremental plate loading test	BS 1377-9:1990	Site
	In-situ California Bearing Ratio (CBR)	BS 1377-9:1990	Site
	Determination of equivalent CBR value using the plate bearing test (*loads from 1 to 500 kN*)	Design Manual for Roads and Bridges. Volume 7: Pavement Design and Maintenance. HD 25/94:Foundations	Site
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014	Laboratory
	Bulk density - linear measurement method	BS EN ISO 17892-2:2014	Laboratory
	Determination of particle size distribution - sieving method	BS EN ISO 17892-4:2016	Laboratory
	Determination of particle size distribution - pipette method	BS EN ISO 17892-4:2016	Laboratory
	Incremental loading oedometer test	ISO 17892-5:2017	Laboratory
	Unconsolidated undrained triaxial test	ISO 17892-8:2018	Laboratory
	Consolidated triaxial compression tests on water saturated soils	ISO 17892-9:2018	Laboratory
	Determination of liquid limit by the fall cone method	BS EN ISO 17892-12 2018	Laboratory
	Determination of plastic limit	BS EN ISO 17892-12 2018	Laboratory
	Plasticity Index and Liquidity Index	BS EN ISO 17892-12 2018	Laboratory

END