Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

1157

Accredited to ISO/IEC 17025:2005

SOCOTEC UK Limited

Issue No: 035 **Issue date:** 12 September 2018

Askern Road
Carcroft
Doncaster
South Yorkshire
DN6 8DG

Contact: Mark Beastall
Tel: +44 (0)1302 723456
Fax: +44 (0)1302 725240
E-Mail: Mark.Beastall@socotec.com
Website: www.socotec.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 Askern Road Carcroft Doncaster South Yorkshire DN6 8DG	**Local contact** Mark Beastall	Testing of soil and rock for civil engineering purposes	A

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Ground Investigation Sites	Mark Beastall	In-situ testing of soils for civil engineering purposes	B
Ground Investigation Sites	Mr John Holt (Geocone) Tel: 01302 723456 Fax: 01302 725240 Email: geocone@socotec.co.uk	Cone penetration testing	C

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ROCK	Point load strength and anisotropy indices	ISRM Commission on Testing Methods, Suggested Method for Determining Point Load Strength 1985	A
	Slake durability index	ISRM Suggested Methods - Rock Characterization Testing and Monitoring Ed. E T Brown - 1981	A
	Uniaxial compressive strength	ISRM Commission on Testing Methods, Suggested Method for Determining Uniaxial Compressive Strength 1985	A
	Water content	ISRM Suggested Methods - Rock Characterization Testing and Monitoring Ed. E T Brown - 1981	A
	Porosity and density - by saturation and buoyancy techniques	ISRM Suggested Methods - Rock Characterization Testing and Monitoring Ed. E T Brown – 1981	A
	Porosity and density - by saturation and caliper techniques	ISRM Suggested Methods - Rock Characterization Testing and Monitoring Ed. E T Brown – 1981	A
SOILS for civil engineering purposes	California Bearing Ratio (CBR)	BS 1377:Part 4:1990	A
	Shear strength - small shearbox	BS 1377:Part 7:1990	A
	Shear strength - large shearbox	BS 1377:Part 7:1990	A
	Residual strength - small ring shear apparatus	BS 1377:Part 7:1990	A

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)	Unconfined compressive strength - load frame method	BS 1377:Part 7:1990	A
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377:Part 7:1990	A
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure	BS 1377:Part 7:1990	A
	Effective shear strength - consolidated-undrained triaxial compression test with measurement of pore pressure	BS 1377:Part 8:1990	A
	Effective shear strength consolidated-drained triaxial compression test with measurement of volume change	BS 1377:Part 8:1990	A
	Effective shear strength - (isotropically) consolidated undrained multistage triaxial compression test with measurement of pore pressure	Documented In-House Method SML PROC/0041 based on BS 1377:Part 8:1990	A
	Effective shear strength - consolidated drained multistage triaxial compression test with measurement of volume change	Documented In-House Method TP 0043 based on BS 1377: Part 8:1990	A
	Linear shrinkage	BS 1377:Parts 1 & 2: 1990	A
	Moisture content - oven drying method	BS 1377:Part 2:1990	A
	Saturation moisture content of chalk	BS 1377:Part 2:1990	A
	Liquid limit - cone penetrometer	BS 1377:Part 2:1990	A

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)	Liquid limit - cone penetrometer - one point	BS 1377:Part 2:1990	A
	Plastic limit	BS 1377:Part 2:1990	A
	Plasticity index and liquidity index	BS 1377:Part 2:1990	A
	Density - linear measurement	BS 1377:Part 2:1990	A
	Density - immersion in water	BS 1377:Part 2:1990	A
	Particle density - gas jar	BS 1377:Part 2:1990	A
	Particle density - small pyknometer	BS 1377:Part 2:1990	A
	Particle size distribution - wet sieving	BS 1377:Part 2:1990	A
	Particle size distribution - dry sieving	BS 1377:Part 2:1990	A
	Particle size distribution - sedimentation - pipette method	BS 1377:Part 2:1990	A
	Particle size distribution - sedimentation - hydrometer method	BS 1377:Part 2:1990	A
	Resistivity - Wenner probe method	BS 1377:Part 3:1990	A
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377:Part 4:1990	A
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377:Part 4:1990	A
	Dry density/moisture content relationship (vibrating hammer)	BS 1377:Part 4:1990	A

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)	Maximum and minimum dry densities for granular soils	BS 1377:Part 4:1990	A
	Moisture condition value (MCV)	BS 1377:Part 4:1990	A
	Chalk crushing value	BS 1377:Part 4:1990	A
	One-dimensional consolidation properties	BS 1377:Part 5:1990	A
	Swelling and collapse characteristics	BS 1377:Part 5:1990	A
	Permeability - constant head method	BS 1377:Part 5:1990	A
	Consolidation properties using a hydraulic cell	BS 1377:Part 6:1990	A
	Permeability in a hydraulic consolidation cell	BS 1377:Part 6:1990	A
	Isotropic consolidation properties using a triaxial cell	BS 1377:Part 6:1990	A
	Permeability in a triaxial cell	BS 1377:Part 6:1990	A
	Accelerated permeability test	Environment Agency R & D Technical Report P1-398/TR/2	A
	One-dimensional consolidation properties	Documented In-House Method SML PROC/0023A	A
	Permeability - falling head method	Documented In-House Method SML PROC/0040 based on Head, K H: Manual of Soil Laboratory Testing, Vol 2, Sect 10.7.2	A
	Thermal conductivity - transient heat method	Documented In-House Method TP 044 based on ASTM D5334-08 using KD2 PRO equipment	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
GEOCONE	Penetration resistance using the fixed 60° cone and friction sleeve (static cone penetration test CPT)	BS 1377:Part 9:1990 Continuous measurement using a penetrometer tip with electrical sensors for cone and sleeve resistance and inclination	C
GEOCONE	Penetration resistance using the fixed 60° cone and friction sleeve (static cone penetration test CPT)	BS 1377:Part 9:1990 Continuous measurement using a penetrometer tip with electrical sensors for cone and sleeve resistance and inclination and piezometric pressure	C
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014	A
	Density - linear measurement method	BS EN ISO 17892-2:2014	A
	Density - immersion in water method	BS EN ISO 17892-2:2014	A
END			