Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

9979

Accredited to ISO/IEC 17025:2017

Horizon Geosciences

Issue No: 006 **Issue date:** 19 October 2021

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS for civil engineering purposes	Moisture content- oven drying method	BS 1377 Part 2:1990
	Liquid limit - cone penetrometer	BS 1377 Part 2:1990
	Liquid limit - cone penetrometer - single point	BS 1377 Part 2:1990
	Plastic limit	BS 1377 Part 2:1990
	Plasticity index and liquidity index	BS 1377 Part 2:1990
	Particle size distribution - wet sieving	BS 1377 Part 2:1990
	Particle size distribution - dry sieving	BS 1377 Part 2:1990
	Particle size distribution - hydrometer method	BS 1377 Part 2:1990
	Particle density – small pyknometer	BS 1377 Part 2:1990
	Undrained shear strength – triaxial compression without measurement of pore pressure	BS 1377 Part 7:1990
	Shear strength - small shearbox	BS 1377 Part 7:1990
	Consolidation	BS 1377 Part 5: 1990
	Determination of the Chloride Content - Determination of water soluble chloride content	BS 1377 Part 3:2018, Clause 9.2

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS for civil engineering purposes (cont'd)	Determination of the Chloride content - Determination of acid soluble chloride content	BS 1377 Part 3:2018, Clause 9.3
	Determination of sulfur compounds. Sampling, sample storage and sample preparation	BS1377 Part 3 2018 Clause 7.2
	Determination of water-soluble sulfate in soil	BS1377 Part 3 2018 Clause 7.3
	Gravimetric method for analysis of acid or water extract or groundwater sulfate	BS1377 Part 3 2018 Clause 7.6
	Determination of the pH value	BS1377 Part 3: 2018 Clause 12
	Determination of the mass loss on ignition, Organic matter in the soil	BS1377 Part 3: 2018 Clause 6
	Rapid titration method for determination of calcium carbonate content	BS 1377 Part 3 2018, Clause 8.3
SOIL and ROCK	Standard test method for Unconsolidated – Undrained Triaxial Compression Test on Cohesive Soils	ASTM D2850 – 15
	Standard test method for laboratory miniature vane shear test for saturated fine-grained clayey soil	ASTM D4648 / D4648M - 16
	Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure	ASTM D5334-14
	Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	ASTM G57 - 20 Clause 7.2
	Standard test method for laboratory determination of water (moisture) content of soil and rock by mass	ASTM D2216-19

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SOIL and ROCK (cont'd)	Standard Test Methods for Laboratory Determination of Density (Unit Weight) of Soil	ASTM D7263-21
	Standard test method for determination of the point load strength index of rock and application to rock strength classification	ASTM D5731-16
	Preparing Rock Core as cylindrical test specimens and verifying conformance to dimensional and shape tolerances	ASTM D4543-19
	Compressive Strength and Elastic Moduli of Intact Core Specimens	ASTM D7012-14e1
	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer	ASTM D854-14
	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318-17e1
	Dry Preparation of soil samples for particle-size analysis and determination of soil constants	ASTM D421-85 (2007)
	Wet Preparation of Soil Samples for Particle Size Analysis and Determination of Soil Constants	ASTM D2217-88 (withdrawn and not replaced)
	Standard test method for particle-size analysis of soils	ASTM D422-63 (2007) e2
	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D6913/D6913M-17
	Standard Test Methods for Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	ASTM D7928-17

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOIL and ROCK (cont'd)	Standard test method for rapid determination of carbonate content of soils	ASTM D4373-14
	Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils	ASTM D2974-20e1
	Standard Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	ASTM D4254-16
	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	ASTM D4253-16
	Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading	ASTM D2435/D2435M-11
	Standard Test Methods for Direct Shear Test of Soils Under Consolidated Drained Conditions	ASTM D3080/D3080M-11
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014
	Bulk density - linear measurement method	BS EN ISO 17892-2:2014
	Determination of particle density – fluid pycnometer method	BS EN ISO 17892-3:2015
	Determination of particle size distribution -sieving method	BS EN ISO 17892-4:2016
	Determination of particle size distribution -hydrometer method	BS EN ISO 17892-4:2016
	Incremental loading oedometer test	BS EN ISO 17892-5: 2017
	Unconsolidated undrained triaxial test	BS EN ISO 17892-8:2018

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil (cont'd)	Direct Shear Tests – Small Shearbox	BS EN ISO 17892-10:2018
	Determination of liquid limit by the fall cone method	BS EN ISO 17892-12 2018
	Determination of plastic limit	BS EN ISO 17892-12 2018
	Plasticity Index and Liquidity Index	BS EN ISO 17892-12 2018
END		