


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>1464</p> <p>Accredited to ISO/IEC 17025:2017</p>	Ian Farmer Associates (1998) Ltd Trading as Ian Farmer Associates	
	Issue No: 032	Issue date: 30 October 2019
4 Faraday Close District 15 Pattinson North Industrial Estate Washington Tyne and Wear NE38 8QJ	Contact: Mr P Cathcart Tel: +44 (0)191 482 8500 Fax: +44 (0)191 482 8520 E-Mail: paul.cathcart@ianfarmer.co.uk Website: www.ianfarmer.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
<p>Address 4 Faraday Close District 15 Pattinson North Industrial Estate Washington Tyne and Wear NE38 8QJ</p> <p>Local contact Mr P Cathcart Tel: +44 (0)191 482 8500 Email:washington@ianfarmer.co.uk</p>	<p>Testing: Aggregates, concrete & soils testing including unbound and hydraulically bound mixtures</p>	A
<p>Address Fairfield Court Seven Stars Industrial Estate Wheler Road Coventry CV3 4LJ</p> <p>Local contact Mr P Cathcart Tel: +44 (0)191 482 8500 Email:washington@ianfarmer.co.uk</p>	<p>Testing: Concrete</p>	B

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Address All locations suitable for the activities listed</p> <p>Local contact Mr P Cathcart Tel: +44 (0)191 482 8500 Email: washington@ianfarmer.co.uk</p>	<p>Site sampling and testing of aggregates, concrete and soils</p>	X



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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
AGGREGATES	Sampling coarse, fine and all-in aggregates - from stockpiles	BS EN 932-1:1997	X
	Reduction of laboratory samples	BS EN 932-2:1999	A X
	Ten per cent fines value - dry - soaked	BS 812-111:1990	A
	Aggregate crushing value	BS 812-110:1990	A
	Frost-heave	BS 812-124:2009	A
	Particle size distribution - sieving method	BS EN 933-1:2012	A
	Classification test for the constituents of coarse recycled aggregate	BS EN 933-11:2009	A
	Resistance to fragmentation by the Los Angeles Method	EN 1097-2:2010	A
	Water content - drying in a ventilated oven	BS EN 1097-5:2008	A
	Particle density and water absorption - particles between 31.5mm and 63 mm	BS EN 1097-6:2013	A
	Particle density and water absorption - particles between 4 mm and 31.5 mm	BS EN 1097-6:2013	A
Particle density and water absorption - particles between 0.063 mm and 4 mm	BS EN 1097-6:2013	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES (cont'd)	Magnesium Sulphate Tests	BS EN 1367-2:2009	A
	Frost-heave	Specification for Highway Works, HMSO 2004	A
CONCRETE - fresh	Sampling fresh concrete - spot - composite	BS EN 12350-1:2009	X
	Slump	BS EN 12350-2:2009	X
	Air Content - pressure method	BS EN 12350-7:2009	X
	Making cubic specimens for strength tests	BS EN 12390-2:2009	A B
CONCRETE - hardened	Compressive strength of cubes	BS EN 12390-3:2009	A B
	Curing	BS EN 12390-2:2009	A B
	Shape, Dimensions	BS EN 12390-1:2012	A B
	Density	BS EN 12390-7:2009	A B
	Cored specimens - examining and testing in compression	BS EN 12504-1:2009	A
	Sampling of concrete by dust drilling	Documented In-House Method No. 112, October 2002	X
	Carbonation	BS EN 14630:2006	X
CONCRETE - reinforced	Resistivity	Documented In-House Method No. 109, September 2002	X
	Location of reinforcement	BS 1881-204:1988	X
	Half-cell potential of uncoated reinforcing steel in concrete	ASTM C876-09	X



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GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014	A
	Bulk density - linear measurement method	BS EN ISO 17892-2:2014	A
	Determination of particle size distribution -sieving method -pipette method -hydrometer method	BS EN ISO 17892-4:2016	A
	Incremental loading oedometer test	BS EN ISO 17892-5:2017	A
	Unconsolidated undrained triaxial	BS EN ISO 17892-8:2018	A
	Direct shear (small shearbox)	BS EN ISO 17892-10:2018	A
	Determination of liquid and plastic limits	BS EN ISO 17892-12:2018	A
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377-2:1990	A
	Liquid limit - cone penetrometer	BS 1377-2:1990	A
	Plastic limit	BS 1377-2:1990	A
	Plasticity index	BS 1377-2:1990	A
	Particle size distribution - wet sieving - dry sieving	BS 1377-2:1990	A
	Particle size distribution - sedimentation - hydrometer method	BS 1377-2:1990	A
	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	A
SOILS for civil engineering purposes (cont'd)	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	A



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	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377-4:1990	A
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	A
	Moisture condition value (MCV)	BS 1377-4:1990	A
	MCV/moisture content relation	BS 1377-4:1990	A
	California Bearing Ratio (CBR)	BS 1377-4:1990	A
	Measurement of swelling of soaked CBR specimen	BS 1377-4:1990	A
	One-dimensional consolidation properties	BS 1377-5:1990	A
	Permeability in a triaxial cell	BS 1377-6:1990	A
	Shear strength by direct shear (small shearbox apparatus)	BS 1377-7:1990	A
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377-7:1990	A
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure	BS 1377-7:1990	A
	Consolidated-undrained triaxial compression test with measurement of pore pressure	BS 1377-8:1990	A



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SOILS for civil engineering purposes (cont'd)	Consolidated-drained triaxial compression test with measurement of volume change	BS 1377-8:1990	A
	Consolidated-undrained triaxial compression test with measurement of pore pressure –multi-stage loading	Documented In-House Method test procedure 171 : 2014	A
	Consolidated-drained triaxial compression test with measurement of volume change –multi-stage loading	Documented In-House Method test procedure 171 : 2014	A
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	X
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377-9:1990	X
	In-situ density - core cutter method	BS 1377-9:1990	X
	In-situ density - nuclear method - compliance tests - comparative tests	BS 1377-9:1990	X
	Vertical deformation and strength characteristics of soil by the plate loading method	BS 1377-9:1990	X
	Equivalent CBR using the plate load test	Department of Transport HD 25/94 and IAN 73/06 : Design Guidance for Road Pavement Foundations : Specification for Highway Works	A X



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UNBOUND and HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2003	A
END			