


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2017	CMTL LIMITED	
	Issue No: 082 Issue date: 19 April 2024	
	Bruton House Stadium Way Harlow Essex CM19 5RT	Contact: Ms Diana Kmiotek Tel: +44 (0)1925286887 Mobile: +44 (0)7385933375 E-Mail: Diana.Kmiotek@cmtlabs.co.uk Website: www.cmtlabs.co.uk
Testing performed by the Organisation at the locations specified below		

CMTL is accredited for a flexible scope that enables it to establish site laboratories to conduct the construction materials testing and sampling activities that are indicated in the table below with the location code X. These site laboratories are set up in accordance with the Documented In-House Procedure OP5iso. (NCL = No Current Location)

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Warrington Laboratory Ruby House 40A Hardwick Grange Warrington WA1 4RF	Local Contact Ms D Kmiotek	Aggregates: Mechanical Tests; Physical Tests Bituminous Mixtures: Physical Tests Concrete: Chemical Tests; Mechanical Tests; Physical Tests Soils: Mechanical Tests; Physical Tests Mortar: Physical Tests Site test activities – location W below	D
Address Harlow Laboratory Bruton House Stadium Way Harlow Essex CM19 5FT	Local contact Ms D Kmiotek	Aggregates: Mechanical Tests; Physical Tests Bituminous Mixtures: Physical Tests Concrete: Mechanical Tests; Physical Tests Soils: Mechanical Tests; Physical Tests Site test activities – location Y below	E
Address A303 Sparkford to Ilchester Dualling Laboratory Stearthill Compound West Camel, YEOVIL BA22 7RE	Local contact Ms D Kmiotek	Aggregates: Mechanical Tests; Physical Tests Concrete: Mechanical Tests; Physical Tests Soils: Mechanical Tests; Physical Tests Site test activities – location F below	F



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

Address Aberdare Laboratory Unit 34 Aberaman Park Industrial Estate Aberdare CF44 6DA	Local contact Ms D Kmiotek	Aggregates: Mechanical Tests; Physical Tests Concrete: Mechanical Tests; Physical Tests Soils: Mechanical Tests; Physical Tests Site test activities – location G below	G
Address Hackthorpe Hall Business Centre Hackthorpe Penrith Cumbria CA10 2HX	Local contact Ms D Kmiotek	Aggregates: Mechanical Tests and Physical Tests Bituminous Mixtures – Mechanical Tests and Physical Tests Concrete - Mechanical Tests and Physical Tests Soils – Mechanical Tests and Physical tests Site test activities – location T below	H
Address 34 Hawbank Road College Milton East Kilbride G74 5EX	Local contact Ms D Kmiotek	Aggregates: Mechanical Tests and Physical Tests Bituminous Mixtures – Mechanical Tests and Physical Tests Concrete - Mechanical Tests and Physical Tests Soils – Mechanical Tests and Physical tests Site test activities – location Z below	J

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Locations D to J suitable for the activities as listed Contact: Ms D Kmiotek	Aggregates: Sampling Asphalt, bitumen, tar, pitch & bituminous materials: Sampling; physical tests Binder distributors for road surfacing: Physical tests Road pavement surfaces: Physical tests Concrete: Sampling: Chemical Tests; Non-Destructive Tests Concrete Structures: Non-Destructive Tests Piled Foundations: Non-Destructive Tests Soils; Physical tests, Mechanical tests	F, G, T, W, Y, Z



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 **Issue date:** 19 April 2024

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Sampling stockpiles of fine aggregates by hand	BS EN 932-1:1997	F, G, T, W, Y, Z
	Sampling stockpiles of coarse aggregates by hand	BS EN 932-1:1997	F, G, T, W, Y, Z
	Sampling coarse, fine and all-in aggregates - from flattened stockpiles	BS EN 932-1:1997	H
	Sample reduction –riffle box	BS EN 932-2:1999	D, E, F, G, H, J, T, X
	Sample reduction - quartering	BS EN 932-2:1999	D, E, F, G, H, J, T, X
	Reduction to a test portion of a specified mass within a small tolerance	BS EN 932-2:1999	D, E, H, X
	Particle size distribution - sieving method	BS EN 933-1:2012	D, E, G, F, H, J, X
	Flakiness index	BS EN 933-3:2012	D, E, H, X
	Determination of the percentage crushed and broken surfaces in coarse aggregate particles	BS EN 933-5:1998	E, X
	Constituents of coarse recycled aggregate	BS EN 933-11:2009	E, X
	Micro-Deval coefficient	BS EN 1097-1:2011	D



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES (cont'd)	Resistance to fragmentation by the Los Angeles test method	BS EN 1097-2:2020	D, E, H, X
	Resistance to fragmentation of aggregates for railway ballast by the Los Angeles test method	BS EN 1097-2: 2020 Annex A	D, E,, X
	Water content	BS EN 1097-5:2008	D, E, F, G, H, J, X
	Uniformity coefficient	BS EN ISO 14688-2:2018	J
BINDER DISTRIBUTORS for road surfacing	Rate of spread of binder - carpet tile method	BS EN 12272-1:2002	Y, Z
BITUMINOUS MIXTURES for roads and other paved areas	Soluble binder content by difference, using bottle rotation machine and pressure filter	BS EN 12697-1:2020	D, H
	Particle size distribution	BS EN 12697-2:2015+A1:2019	D, H
	Maximum density - volumetric procedure	BS EN 12697-5:2018	D, H, X
	Bulk density - dry	BS EN 12697-6:2020	D, X
	- saturated surface dry (SSD)		
	- sealed specimen		
	- bulk density by dimensions	BS EN 12697-6:2020	H
	Bulk density - sealed specimen		
	Air voids content	BS EN 12697-8:2018	D, H, X
	Conventional refusal density - vibratory compaction	BS EN 12697-9:2002	D, X
	Percentage refusal density (PRD) - vibratory compaction	BS EN 12697-9:2002	D, X



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BITUMINOUS MIXTURES for roads and other paved areas (cont'd)	Temperature measurement - Measurement material temperature after it has been laid and before or during rolling - Measurements of temperature in a heap	BS EN 12697-13:2017 Contact thermometer	Y, Z
	Temperature measurement - Measurements of temperature in a heap - Measurements of temperature in a paver hopper	BS EN 12697-13:2017 Infrared-thermometer	Y
	Sampling - from the material around the augers of the paver - of workable material in heaps	BS EN 12697-27:2017	T, Y, Z
	Sampling coated chippings from stockpiles	BS EN 12697-27:2017	Y, Z
	Sampling of laid and compacted materials by coring	BS EN 12697-27:2017	T, Y, Z
	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2020	H, T, Y
	Description of cores - examination	Documented in-house Method No.CON-QMLAB-B3	H
	Dimensions of a specimen	BS EN 12697-29:2020	D
	Laboratory compaction of bituminous mixtures by vibratory compaction	BS EN 12697-32:2019	D, X
	Thickness of a bituminous pavement	BS EN 12697-36:2003	D, X
	Thickness of a bituminous Pavement	BS EN 12697-36:2022	H



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BITUMINOUS ROAD SURFACING	In-situ density - dielectric method	Work Instruction 75 Issue 3 Jan 2023 , and BS 594987:2015 + A1:2017 Annex I	Y, Z
	Rate of spread of coated chippings	BS 598-1:2011	Y, Z
CONCRETE - fresh	Sampling fresh concrete - composite & spot sample	BS EN 12350-1:2019	F, G, T, W, Y, Z
	Slump	BS EN 12350-2:2019	F, G, T, W, Y, Z
	Flow Table Test	BS EN 12350-5:2019	T
	Air content - Pressure method	BS EN 12350-7:2019	F, G, W, Y, Z
	Manufacture of cubic specimens for strength tests including curing (Laboratory and Site test activity)	BS EN 12390-2:2019	D (W), E (Y), F, G, H (T), J (Z),X
CONCRETE - hardened	Compressive strength of cubes - including curing	BS EN 12390-3:2019 BS EN 12390-2:2019 BS EN 12390-1:2021	D, E, F, G, H, J, X
	Flexural strength of test specimens; - including curing; - shape and dimensions	BS EN 12390-5:2019 BS EN 12390-2:2019 BS EN 12390-1:2021	E, X
	Tensile splitting strength	BS EN 12390-6:2009	E, X
	Density	BS EN 12390-7:2019 incorporating corrigendum November 2020	D, E, F, G, H, J, X
	Cored specimens - taking	BS EN 12504-1:2019	W, Y
	Cored specimens - examining and testing in compression	BS EN 12504-1:2019	D, E, X



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
CONCRETE – hardened (cont'd)	Water absorption	BS 1881-122: 2011	E
	Depth of carbonation	BS EN 14630:2006	D
	Flexural tensile strength (limit of proportionality (LOP), residual) of metallic fibre concrete	BS EN 14651:2005+A1:2007	E
	Chloride ion determination in concrete and mortar	Documented in-house procedure WI No.9	D
PILED FOUNDATIONS	Pile integrity	ASTM D5882-16	W
ROAD PAVEMENT SURFACES	In-situ density - nuclear method	Documented In-house method WI No.37 Issue 8 02/12/2019	W, Y
PAVEMENT SURFACES	Measurement of texture depth by the sand-patch method	BS 598-105:2000	Y, Z
	Measurement of pavement surface macrotexture depth using a volumetric patch	BS EN 13036-1:2010	Y, T, Z
	Surface regularity using a rolling straight-edge	TRRL Supplementary Report 290	Y T, Z
SOILS for civil engineering purposes	Sampling earthworks materials	Work Instruction : WI-064 Issue 6 April 2022	F, G, W, Y, Z
	Moisture content - oven drying method	BS 1377-2:1990	D, E, F, G, H, J, X
	Water content (oven drying method)	BS 1377-2:2022	D, E, F, G, H, J, X
	Saturation moisture content of chalk	BS 1377-2:1990	E
	Liquid limit - cone penetrometer (definitive method)	BS 1377-2:1990	D, E, F, H, X



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 **Issue date:** 19 April 2024

Testing performed by the Organisation at the locations specified

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 - fall cone method (four point method)	BS 1377-2:2022	D, E, F, H, X
	Liquid limit - cone penetrometer - one point	BS 1377-2:1990	D, E, F, H, X
	Liquid limit - fall cone method (one point method)	BS 1377-2:2022	D, E, F, H, X
	Plastic limit	BS 1377-2:1990	D, E, F, G, H, X
	Plastic limit	BS 1377-2:2022	D, E, F, G, H, X
	Plasticity index	BS 1377-2:1990	D, E, F, H, X
	Plasticity index	BS 1377-2:2022	D, E, F, H, X
	Particle size distribution - wet sieving	BS 1377-2:1990	D, E, F, G, H, J, X
	Particle size distribution - dry sieving	BS 1377-2:1990	D, E, F, G, H, J, X
	Particle size distribution - sieving method	BS 1377-2:2022	D, E, F, G, H, J, X
	Particle size distribution - sedimentation - pipette method	BS 1377-2:1990	H
	Particle size distribution - hydrometer method - pipette method	BS 1377-2:2022	H
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377-4:1990	D, E, F, G, H, X
	Dry density/water content relationship (2.5 kg rammer)	BS 1377-2:2022	D



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 **Issue date:** 19 April 2024

Testing performed by the Organisation at the locations specified

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 (4.5 kg rammer)	BS 1377-4:1990	D, E, F, G, H, X
	Dry density/water content relationship (4.5 kg rammer)	BS 1377-2:2022	D
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-4:1990	D, E, F, G, X
	Dry density/moisture content relationship (vibrating hammer)	BS 1377-2:2022	D
	Moisture condition value (MCV)	BS 1377-4:1990	D, E, F, G, X
	MCV/moisture content relationship	BS 1377-4:1990	D (W), E (Y), H (T)
	MCV/moisture content relationship	BS 1377-2:2022	D
	California Bearing Ratio (CBR)	BS 1377-4:1990	D, E, H, X
	Permeability in a triaxial cell	BS 1377-6:1990	H
	Undrained shear strength - triaxial compression without measurement of pore pressure	BS 1377-7:1990	E
	Undrained shear strength - triaxial compression with multistage loading and without measurement of pore pressure	BS 1377-7:1990	E
	Shear strength – Large shearbox	BS 1377-7:1990	E
	In-situ density - sand replacement method (small pouring cylinder)	BS 1377-9:1990	F, W, Y, Z
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377-9:1990	F, G, W, Y, Z



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

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	F, G, W, Y, Z
	Determination of equivalent CBR value using the plate bearing test	Design Guidance for Road Pavement Foundations Interim Advice Note 73/06 Rev1	F, G, W, Y, Z
	In-situ density - core cutter method	BS 1377-9:1990	F, T, W, Y, Z
	In-situ density - nuclear method - compliance tests - comparative tests	BS 1377-9:1990	W, Y, Z
	In-situ California Bearing Ratio (CBR)	BS 1377-9:1990	W
	Dynamic cone penetrometer	DIHM WI 73 Issue 3 Dec 2022	F, G, T, W, Y, Z
	Calculation of nominal CBR value using the Dynamic Cone Penetrometer test (DCP)	DMRB, IAN 73/06 – Design of Road Pavement Foundations Rev 1:2009	F, G, T, W, Y, Z
	Calculation of nominal CBR value using the Dynamic Cone Penetrometer test (DCP)	DMRB, CS 229 Data for Pavement Assessment Rev.0: 2020	F, G, T, W, Y, Z
	Effective angle of internal friction and effective cohesion	Specification for Highway Works Volume 1 Clause 636 February 2016	E
	Uniformity coefficient	SHW: Series 600:Table 6-1:Footnote 5	D, E, F, G, H, J, X
	In-situ Density and Moisture Content using an Electromagnetic Density Gauge	ASTM D7830/D7830M-14	F, G



1740

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

CMTL LIMITED

Issue No: 082 Issue date: 19 April 2024

Testing performed by the Organisation at the locations specified

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	E, H, X
	Water content	BS EN ISO 17892-1:2014+A1::2022	D
	Particle size distribution - sieving method	BS EN ISO 17892-4:2016	D, E, H, X
	Determination of particle size distribution - sieving method - pipette method	BS EN ISO 17892-4:2016	H
	Determination of liquid limit by the fall cone method - four point method	BS EN ISO 17892-12 2018	E, H, X
	Determination of liquid limit by the fall cone method - four point method	BS EN ISO 17892-12 2018 + A2:2022	D
	Determination of liquid limit by the fall cone method - one point method	BS EN ISO 17892-12 2018	H
	Determination of plastic limit	BS EN ISO 17892-12 2018	E, H, X
	Determination of plastic limit	BS EN ISO 17892-12 2018 + A2:2022	D
	Plasticity Index	BS EN ISO 17892-12 2018	D, E, H, X
	Plasticity Index	BS EN ISO 17892-12 2018 + A2:2022	D
UNBOUND and HYDRAULICALLY BOUND MIXTURES	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2003	F, G, X
	Laboratory reference density and water content - vibrating hammer	BS EN 13286-4:2021	D
END			