Schedule of Accreditation

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United Kingdom Accreditation Service

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

0529

Accredited to ISO/IEC 17025:2017

Kiwa Limited
Trading as Kiwa CMT

Issue No: 048 **Issue date:** 16 September 2024

Prime Parkway
Prime Enterprise Park
Derby
DE1 3QB

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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 Prime Parkway Prime Enterprise Park Derby DE1 3QB	**Contact**: Mr George Bailey Tel: +44 (0)1332 383333 E-Mail: george.bailey@kiwa.com	Testing: Aggregates - chemical & physical tests Bituminous Mixtures – physical tests Concrete - chemical, geological mechanical & physical tests Mortars screeds & plasters - chemical tests Soils - chemical, mechanical & physical tests Cast stone - physical tests	Laboratory

Site activities performed away from the locations listed above:

Location details		Activity	Location code
All locations suitable for the activities listed	**Contact**: Mr George Bailey	Sampling: Concrete Testing: Concrete - chemical & non-destructive tests Road signs & lighting columns - non-destructive tests Soils - mechanical & physical tests	Site

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
AGGREGATES	Water soluble chloride	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Water soluble sulphate	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Total sulphur	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Acid soluble sulphate	BS EN 1744-1: 2009 + A1:2012	Laboratory
	Sampling stockpiles of fine aggregates by hand	BS EN 932-1:1997	Site
	Sampling stockpiles of coarse aggregates by hand	BS EN 932-1:1997	Site
	Sample reduction –riffle box	BS EN 932-2:1999	Laboratory
	Sample reduction - quartering	BS EN 932-2:1999	Laboratory
	Particle size distribution - sieving method	BS EN 933-1:2012	Laboratory
	Resistance to fragmentation by the Los Angeles Method	EN 1097-2:2020	Laboratory
BITUMINOUS MIXTURES for roads and other paved areas	Maximum Density - procedure B	BS EN 12697-5:2018	Laboratory
	Bulk Density - dry - saturated surface dry (SSD) - sealed specimen - bulk density by dimensions	BS EN 12697-6:2020	Laboratory
	Air Voids Content	BS EN 12697-8: 2018	Laboratory
	Sampling of laid and compacted materials by coring	BS EN 12697-27: 2017	Site
	Sampling - from around augers of the paver	BS EN 12697-27: 2017	Site

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	Preparation of samples for determining binder content, water content and grading	BS EN 12697-28:2020	Site Laboratory
BITUMINOUS ROAD SURFACING	In-situ density - nuclear method	Documented In-House Method SO33	Site
CAST STONE	Capillary absorption	BS 1217:2008	Laboratory
	Capillary absorption	Documented In-House Method C6	Laboratory
CONCRETE – fresh	Sampling - Spot - Composite	BS EN 12350-1: 2019	Site
	Slump Testing	BS EN 12350-2: 2019	Site
	Making of cubes - Including curing	BS EN 12390-2: 2019	Site and Laboratory
CONCRETE - hardened	Cement & aggregate content	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Chloride content	BS 1881:Part 124: 2015 +A1:2021	Laboratory
	Sulphate content	BS 1881:Part 124: 2015 +A1:2021	Laboratory

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
CONCRETE - hardened	Compressive strength of cubes	BS EN 12390-3: 2019 BS EN 12390-1: 2021	Laboratory
	Curing	BS EN 12390-2: 2019	Laboratory
	Density	BS EN 12390-7: 2019	Laboratory
	Cored specimens – taking, examining and testing in compression	BS EN 12504-1: 2019	Laboratory
	Flexural strength	BS EN 12390-5:2019	Laboratory
	Tensile splitting strength	BS EN 12390-6:2009	Laboratory
	Initial surface absorption	BS 1881-208:1996	Laboratory
	Coring	BS EN 12504-1:2019	Site
	Sampling for analysis of chlorides	Documented In-House Method ISM ST4	Site
	Sampling for analysis of chlorides	BS EN 14629:2007	Site
	Carbonation	BRE Information Paper IP 6/81	Site
	Carbonation	BS EN 14630:2006	Site
CONCRETE - reinforced	Location of reinforcement	BS 1881:Part 204: 1988	Site
	Corrosion potentials of uncoated reinforcing steel in concrete	ASTM C 876-22a	Site

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MORTARS, SCREEDS and PLASTERS	Insoluble residue and soluble silica content	BS 4551:2005 + A2: 2013	Laboratory
	Calcium oxide content	BS 4551:2005 + A2: 2013	Laboratory
	Sulfur trioxide content	BS 4551:2005 + A2: 2013	Laboratory
	Chloride content	BS 4551:2005 + A2: 2013	Laboratory
ROAD SIGNS and LIGHTING COLUMNS	Relative loss of section	Documented In-House Method ST 9,ST10,ST11	Site
SOILS for civil engineering purposes	Moisture content - oven drying method	BS 1377: Part 2: 1990	Laboratory
	Water content- oven drying method	BS 1377: Part 2: 2022	Laboratory
	Liquid limit - cone penetrometer	BS 1377: Part 2: 2022 BS 1377: Part 2: 1990	Laboratory
	Liquid limit - cone penetrometer - one point	BS 1377: Part 2: 2022 BS 1377: Part 2: 1990	Laboratory
	Plastic limit	BS 1377: Part 2: 2022 BS 1377: Part 2: 1990	Laboratory
	Plasticity index and liquidity index	BS 1377: Part 2: 2022 BS 1377: Part 2: 1990	Laboratory
	Particle size distribution - wet sieving	BS 1377: Part 2: 2022 BS 1377: Part 2: 1990	Laboratory
	Particle size distribution - dry sieving	BS 1377: Part 2: 2022 BS 1377: Part 2: 1990	Laboratory
	Organic matter content	BS 1377: Part 3: 2018+A1 2021	Laboratory
	Sulphate content of soil and ground water - gravimetric method	BS 1377: Part 3: 2018+A1 2021	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)	pH value	BS 1377: Part 3: 2018+A1 2021	Laboratory
	Dry density/moisture content relationship (2.5 kg rammer)	BS 1377: Part 2: 2022 BS 1377: Part 4: 1990	Laboratory
	Dry density/moisture content relationship (4.5 kg rammer)	BS 1377: Part 2: 2022 BS 1377: Part 4: 1990	Laboratory
	California Bearing Ratio (CBR) Not soaked	BS 1377: Part 2: 2022 BS 1377: Part 4: 1990	Laboratory
	In-situ density - sand replacement method (large pouring cylinder)	BS 1377: Part 9: 1990	Site
	In-situ density - core cutter	BS 1377: Part 9: 1990	Site
	Vertical deformation & strength characteristic of soil by Plate Loading Test	BS 1377: Part 9: 1990	Site
	Determination of Equivalent CBR using Plate Bearing Test	Design Manual for Roads and Bridges, Interim Advice Note 73/06, Rev 1: 2009	Site

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 +A1:2022	Laboratory
	Particle size distribution - wet sieving	BS EN ISO 17892-4:2016	Laboratory
	Particle size distribution - dry sieving	BS EN ISO 17892-4:2016	Laboratory
	Liquid fall cone Method	BS EN ISO 17892-12:2018 +A2:2022 BS EN ISO 17892-12:2018 +A2:2022	Laboratory
	Plastic limit	BS EN ISO 17892-12:2018 +A2:2022 BS EN ISO 17892-12:2018 +A2:2022	Laboratory
	Plasticity index	BS EN ISO 17892-12:2018 +A2:2022 BS EN ISO 17892-12:2018 +A2:2022	Laboratory
	Liquidity index	BS EN ISO 17892-12:2018 +A2:2022 BS EN ISO 17892-12:2018 +A2:2022	Laboratory
END			