


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|--|--|
|  8995 Accredited to ISO/IEC 17025:2017 | Testall Limited | |
| | Issue No: 010 Issue date: 05 March 2021 | |
| | 295A Moorlough Road Drumclay Newtownbutler Co Fermanagh BT92 8BJ | Contact: Mr D Jordan Tel: +44 (0)28 67737805 E-Mail: contact@testalltd.com Website: www.testalltd.com |
| Testing performed by the Organisation at the locations specified | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|---|--|-----------------------------|
| Address Testall Limited 295A Moorlough Road Drumclay Newtownbutler Co Fermanagh BT92 8BJ | Local contact Mr D Jordan Tel: +44 (0)28 67737805 contact@testalltd.com | Laboratory testing A |

Site activities performed away from the locations listed above:

| Location details | Activity | Location code |
|--|--|------------------------------------|
| All locations suitable for the activities listed | Contact: Mr D Jordan Tel: +44 (0)28 67737805 contact@testalltd.com | Site sampling and testing B |



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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 flattened stockpiles | BS EN 932-1:1997 | B |
| | Methods for reducing laboratory samples | BS EN 932-2:1999 | A |
| | Particle size distribution - sieving method | BS EN 933-1:2012 | A |
| | Particle shape - flakiness index | BS EN 933-3:2012 | A |
| | Assessment of fines - methylene blue test | BS EN 933-9: 2009 +A1:2013 | A |
| | Micro-Deval coefficient | BS EN 1097-1:2011 | A |
| | Micro-Deval coefficient of railway ballast | BS EN 1097-1:2011 Annex A | A |
| | Resistance to fragmentation by the Los Angeles test method | BS EN 1097-2:2020 | A |
| | Resistance to fragmentation of aggregates for railway ballast by the Los Angeles test method | BS EN 1097-2:2020 Annex A | A |
| | Loose bulk density and voids | BS EN 1097-3:1998 | A |
| | Water content - drying in a ventilated oven | BS EN 1097-5:2008 | A |
| | Particle density and water absorption - particles between 0.063mm and 4mm | BS EN 1097-6:2013 Clause 9 | A |
| | Particle density and water absorption - particles between 4mm and 31.5mm | BS EN 1097-6:2013 Clause 8 | A |



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| AGGREGATES (cont'd) | Polished stone value | BS EN 1097-8:2009 | A |
| | Aggregate abrasion value | BS EN 1097-8:2020 | A |
| | Soundness | BS EN 1367-2:2009 | A |
| | Uniformity coefficient | Specification for Highway Works table 6/1 footnote 5 | A |
| | Water soluble sulfates in natural and manufactured aggregates | BS EN 1744-1:2009 + A1:2012 | A |
| | Total sulfur content by acid digestion | BS EN 1744-1:2009 + A1:2012 | A |
| | Acid soluble sulfates | BS EN 1744-1:2009 + A1:2012 | A |
| | Calculation of total potential sulfate | Transport Infrastructure Ireland Specification for Road Works Clause 643 | A |
| BITUMINOUS MIXTURES for roads and other paved areas | Calculation of oxidisable sulfide | Transport Infrastructure Ireland Specification for Road Works Clause 643 | A |
| | Soluble binder content by difference, using bottle rotation machine and pressure filter | BS EN 12697-1:2015 | A |
| | Soluble binder content by recovery, using bottle rotation machine, bucket centrifuge type 1 and volume calculation | BS EN 12697-1:2015 | A |
| | Particle size distribution | BS EN 12697-2:2015 | A |
| | Determination of the maximum density – volumetric procedure | BS EN 12697-5:2018 | A |
| | Bulk density - saturated surface dry (SSD) | BS EN 12697-6:2020 | A |



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| BITUMINOUS MIXTURES for roads and other paved areas (cont'd) | Determination of the air voids content | BS EN 12697-8:2018 | A |
| | Measurements of temperature of laid materials and in a heap - Contact thermometers | BS EN 12697-13:2017 | B |
| | Sampling - from the material around the augers of the paver - of workable material in heaps - of laid and compacted materials by coring | BS EN 12697-27:2017 | B |
| | Preparation of samples for determining binder content, water content and grading | BS EN 12697-28:2001 | A |
| | Specimen preparation by vibratory compactor | BS EN 12697-32:2018 | A |
| CONCRETE - fresh | Sampling fresh concrete on site - obtaining a composite sample - obtaining a spot sample | BS EN 12350-1:2019 | B |
| | Slump test | BS EN 12350-2:2019 | B |
| | Making cubic specimens for strength tests | BS EN 12390-2:2019 | B |
| | Curing cubic specimens for strength tests | BS EN 12390-2:2019 | A |
| CONCRETE - hardened | Shape, dimensions and other requirements for specimens and moulds | BS EN 12390-1:2012 | A |
| | Compressive strength of cubes - including curing | BS EN 12390-3:2009 BS EN 12390-2:2009 | A |
| | Density | BS EN 12390-7:2009 | A |



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| CONCRETE - hardened | Cored specimens - examination | BS EN 12504-1:2019 | A |
| | Cored specimens - testing in compression | BS EN 12504-1:2019 | A |
| PAVED SURFACES | Pavement surface macrotexture depth using a volumetric patch technique | BS EN 13036-1:2010 | B |
| | Surface regularity using a rolling straight-edge | Specification for Highway Works, HMSO February 2016 Clause 702 | B |
| ROCK | Slake-durability index of shales and other similar weak rocks | ASTM D 4644-16 | A |
| | Slake durability index | The Complete ISRM Suggested Methods for Rock Characterisation, Testing and Monitoring:1974-2006. Editors: R Ulusay & J A Hudson | A |
| SOILS for civil engineering purposes | Moisture content - oven drying method | BS 1377-2:1990 | A |
| | Liquid limit - cone penetrometer - one point | BS 1377-2:1990 | A |
| | Plastic limit | BS 1377-2:1990 | A |
| | Plasticity index | BS 1377-2:1990 | A |
| | Particle size distribution - wet sieving | BS 1377-2:1990 | A |
| | Particle size distribution - dry sieving | BS 1377-2:1990 | A |
| | Dry density/moisture content relationship (2.5 kg rammer) | BS 1377-4:1990 | A |



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| SOILS for civil engineering purposes (cont'd) | 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 |
| | MCV - natural moisture content | BS 1377-4:1990 | A |
| | Large shearbox | BS 1377-7:1990 | A |
| | Effective angle of internal friction and effective cohesion of earthworks materials | Specification for Highway Works, HMSO February 2016: clause 636 using large shearbox | A |
| | Coefficient of friction and adhesion between fill and reinforcing elements or anchor elements for reinforced soils and anchored earth structures | Specification for Highway Works, HMSO February 2016: clause 639 using large shearbox | A |
| | In-situ density - sand replacement method (large pouring cylinder) | BS 1377-9:1990 | B |
| | In-situ bulk density - nuclear method - comparative tests | BS 1377-9:1990 | B |
| | In-situ bulk density - nuclear method - absolute tests | BS 1377-9:1990 | B |
| | In-situ bulk density - nuclear method - compliance tests | BS 1377-9:1990 | B |
| Vertical deformation and strength characteristics by the incremental plate loading test | BS 1377-9:1990 | B | |



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| SOILS for civil engineering purposes (cont'd) | In-situ density of road pavements using a nuclear density gauge in backscatter mode | BS 594987:2015 clause 9.4.2 | B |
| | Determination of equivalent CBR value using the plate bearing test | Design Manual for Roads and Bridges Volume 7: Pavement Design and Maintenance – IAN 73/06, Rev 1 | B |
| UNBOUND and HYDRAULICALLY BOUND MIXTURES | Compressive strength of cubic specimens | BS EN 13286-41:2003 | A |
| END | | | |