


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

| | | |
|---|---|--|
|  <p>0744</p> <p>Accredited to ISO/IEC 17025:2005</p> | <h3>Northumberland County Council</h3> | |
| | <p>Issue No: 018 Issue date: 23 August 2010</p> | |
| | <p>Highways Department Laboratory Bassington Drive Cramlington Northumberland NE23 8AJ</p> | <p>Contact: Mr B Newell Tel: +44 (0)1670-737575 Fax: +44 (0)1670-732044 E-Mail: brian.newell@northumberland.gov.uk Website: www.northumberland.gov.uk</p> |
| <p>Testing performed by the Organisation at the locations specified below</p> | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|---|--|---------------|
| <p>Address Highways Department Laboratory Bassington Drive Cramlington Northumberland NE23 8AJ</p> <p>Local contact Mr B Newell</p> | <p>Testing: Aggregates – physical tests Bituminous mixtures – physical tests Concrete – chemical, mechanical & physical tests Soils – mechanical & physical tests</p> <p>Manufacture of test specimens: Concrete</p> | Laboratory |

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>Contact: Mr B Newell</p> | <p>Sampling: Aggregates Bituminous Mixtures Concrete & Soils</p> <p>Manufacture of test specimens: Concrete</p> <p>Testing: Bituminous mixtures – physical tests Concrete – physical tests</p> | Site |



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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 heaps | BS 812:Part 102:1989 | Site |
| | Methods for sampling - from stockpiles | BS EN 932-1:1997 clause 8.8 | Site |
| | Particle size distribution – washing and sieving | BS 812:Part 103:Section 103.1:1985 | Laboratory |
| | Particle size distribution - sieving method | BS EN 933-1:1997 | Laboratory |
| | Particle shape - flakiness index | BS EN 933-3:1997 | Laboratory |
| BITUMINOUS MIXTURES for roads and other paved areas | Sampling from - around the augers of the paver | BS 598:Part 100:2004 | Site |
| | Sampling coated chippings from stockpiles | BS 598:Part 100:2004 | Site |
| | Sampling - Sampling from the material around the augers of the paver | BS EN 12697-27:2001 | Site |
| | Sampling coated chippings from stockpiles | BS EN 12697-27:2001 | Site |
| | Binder content and grading of mineral aggregate – extraction bottle method: binder determination by difference | BS 598:Part 102:2003 | Laboratory |
| | Binder content and grading of mineral aggregate – extraction bottle method: binder and filler directly determined | BS 598:Part 102:2003 | Laboratory |
| | Soluble binder content by recovery using bottle rolling machine, bucket centrifuge type 1 and volume calculation | BS EN 12697-1:2005 | Laboratory |



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| BITUMINOUS MIXTURES for roads and other paved areas (cont'd) | Soluble binder content by difference using bottle rolling machine and pressure filter | BS EN 12697-1:2005 | Laboratory |
| | Particle size distribution | BS EN 12697-1:2002 | Laboratory |
| CONCRETE – fresh | Sampling fresh concrete on site - composite sample | BS EN 12350-1:2009 | Site |
| | Sample fresh concrete on site - spot sample | BS EN 12350-1:2009 | Site |
| | Making and curing specimens for strength tests | BS EN 12350-2:2009 | Laboratory or Site |
| | Slump | BS EN 12350-2:2009 | Site |
| CONCRETE – hardened | Compressive strength of cubes - including curing (loads from 50 to 2000kN) | BS EN 12390-3:2009 BS EN 12390-1:2000 BS EN 12390-2:2009 | Laboratory |
| | Density | BS EN 12390-7:2009 | Laboratory |
| SOILS for civil engineering purposes | Obtaining disturbed samples from excavating equipment | BS 5930:1999 | Site |
| | Moisture content – oven drying method | BS 1377:Part 2:1990 | Laboratory |
| | Liquid limit – cone penetrometer | BS 1377:Part 2:1990 | Laboratory |
| | Liquid limit – cone penetrometer – one point | BS 1377:Part 2:1990 | Laboratory |
| | Plastic limit | BS 1377:Part 2:1990 | Laboratory |
| | Particle size distribution - wet sieving | BS 1377:Part 2:1990 | Laboratory |
| | Particle size distribution - dry sieving | BS 1377:Part 2:1990 | Laboratory |



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| SOILS for civil engineering purposes (cont'd) | Particle size distribution - sedimentation – hydrometer method | BS 1377:Part 2:1990 | Laboratory |
| | Dry density/moisture content relationship (2.5 kg rammer) | BS 1377:Part 4:1990 | Laboratory |
| | Dry density/moisture content relationship (4.5 kg rammer) | BS 1377:Part 4:1990 | Laboratory |
| | California Bearing Ratio (CBR) (loads from 1 – 12kN) | BS 1377:Part 4:1990 | Laboratory |
| | Undrained shear strength – triaxial compression without measurement of pore pressure (loads from 1 to 12kN) | BS 1377:Part 7:1990 | Laboratory |
| Compressive strength – undrained triaxial compression without the measurement of pore water pressure (loads from 1 to 12kN) | Specification for Highway Works, HMSO November 2006 Clause 633 | Laboratory | |
| END | | | |