



ACCREDITATION NO: 1900

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FACILITIES: Public testing service

This laboratory complies with the requirements of ISO/IEC 17025 (1999)

2.12 Concrete

by the methods of –

AS 1012 1, 3.1, 8.1, 9, 12.1, 14

QT Methods Q451A, Q455A, Q455B

.01 Sampling

Fresh concrete

.12 Consistence

Slump test

.21 Making and curing test specimens in the field

Compression specimens, concrete with slump ≤ 10 mm and ≥ 40 mm

.22 Curing test specimens in the laboratory

Curing test specimens in the laboratory (compression specimens)

.23 Compression tests on moulded specimens

Tests in the range 20 to 1500 kN

.24 Compression tests on hardened concrete cores

Tests in the range 20 to 1500 kN

.27 Mass per unit volume of hardened concrete

Measurement method

.29 Securing and testing cores from hardened concrete

Securing, preparation and conditioning (wet only) of cores



2.16 Aggregates

by the methods of –

AS 1141 3.1, 4, 5, 6.1, 11, 12, 14, 15, 20.3, 21, 22, 23, 25.1, 25.2, 32, 33

QT Methods Q201A, Q201B, Q202, Q204A, Q204B, Q205A, Q205B, Q205C, Q206, Q208A, Q208B, Q213, Q214A, Q214B, Q214C, Q215, Q216, Q217

RTA (NSW) Methods T201, T215

.01 Sampling

Sampling from a stockpile, pavement

.11 Bulk density

.12 Particle density and water absorption

.13 Sieve analysis

.14 Material finer than 75 µm

.16 Particle shape tests

Average least dimension; proportional calliper

.17 Flakiness index

.20 Aggregate crushing value

.21 Wet/dry strength variation

.22 Los Angeles value

.25 Weak particles

.26 Clay and fine silt

.33 Degradation tests

Degradation factor on source rock; coarse aggregate

.42 Crushed faces

.99 Other tests

Degree of precoating

2.18 Soils

by the methods of –

AS 1289 1.1, 1.2.1, 2.1.1, 2.1.4, 2.1.5, 3.1.1, 3.1.2, 3.2.1, 3.3.1, 3.3.2, 3.4.1, 3.6.1, 3.9.1, 4.3.1, 5.1.1, 5.2.1, 5.3.1, 5.4.1, 5.4.2, 5.5.1, 5.6.1, 5.7.1, 5.8.1, 6.1.1, 6.3.2, 7.1.1

QT Methods Q010, Q101, Q102A, Q102B, Q102E, Q103A, Q103B, Q104A, Q104D, Q105, Q106, Q110A, Q110B, Q110C, Q110D, Q110E, Q110F, Q111A, Q111B, Q111C, Q111D, Q112, Q113A, Q113B, Q113C, Q121, Q132A, Q132B

RTA (NSW) Methods T105, T106, T107, T108, T109, T111, T112, T113, T117, T117a, T120

.01 Sampling

Disturbed sampling from a stockpile, windrow, earthworks, pavement, in-situ

.11 Classification tests

Sample preparation; moisture content; liquid limit; plastic limit; plasticity index; linear shrinkage; sieve analysis



.21 Chemical tests

pH

.31 Compaction and density tests

Standard and modified compaction; field density (sand-cone); dry density ratio, moisture variation and moisture ratio; minimum and maximum dry density; density index; assignment of OMC and MDD; compaction control - Hilf method; field moisture content and field density using a nuclear gauge; degree of saturation

.41 Strength and consolidation tests

Bearing ratio (remoulded specimens, CBR's 0.4 to 250%); penetration (dynamic cone)

.51 Reactivity tests

Shrink-swell index

2.95 Approved Signatories

I S Masman

All tests

S E Neal

All tests

G Taylor

All tests

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(Scope Last Changed 09/02/04)