



NATA ACCREDITED LABORATORY

National Association of Testing Authorities, Australia

(ABN 59 004 379 748)

has accredited

**Qualtest Laboratory (NSW) Pty Ltd
Newcastle Laboratory**

following demonstration of its technical competence to operate in accordance with

ISO/IEC 17025

This facility is accredited in the field of

CONSTRUCTION MATERIALS TESTING

for the tests, calibrations and measurements shown on the *Scope of Accreditation*
issued by NATA

Jennifer Evans
Chief Executive Officer

Date of issue: 23 November 2015

Date of accreditation: 15 January 2013

Accreditation number: 18686



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**Qualtest Laboratory (NSW) Pty Ltd
Muswellbrook Laboratory**

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Chief Executive Officer

Date of issue: 02 December 2015

Date of accreditation: 15 January 2013

Accreditation number: 18686

Corporate Site Number: 23195

Scopelines Full View

SITENO	Standard	Std Year	Activity	Service	Product	Determination	Technique	Procedure
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Sample collection	Concrete, grout and mortar	Not applicable	Fresh concrete from a mixer; Fresh concrete from deposited concrete	AS 1012.1; RMS (NSW) Method T300
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Sample collection	Aggregates	Not applicable	Aggregate from a bin; Aggregate from a conveyor belt; Aggregate from a pavement; Aggregate from a stockpile; Aggregate from a truck; Aggregate from a windrow	AS 1141.3.1; RMS (NSW) Method T100
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Sample collection	Aggregates	Not applicable	Quarry aggregate from a drill core; Quarry aggregate from a quarry face; Quarry aggregate from a rock spall; Quarry aggregate from boulders	AS 1141.3.2
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Sample collection	Soils	Not applicable	Disturbed sampling from earthwork; Disturbed soil sampling from a face; Disturbed soil sampling from a pavement; Disturbed soil sampling from a stockpile; Disturbed soil sampling from a windrow; Disturbed soil sampling from an open-drive; Disturbed soil sampling in-situ	AS 1289.1.2.1; RMS (NSW) Method T100
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Sample collection	Soils	Not applicable	Site selection by random number	AS 1289.1.4.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Sample collection	Soils	Not applicable	Site selection by stratified random number	AS 1289.1.4.2
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil stabilisation	Soils	Compressive strength	Uniaxial unconfined	RMS (NSW) Methods T116, T131
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil stabilisation	Soils	Stabiliser working time	Not applicable	RMS (NSW) Method T147
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil pre-treatment	Soils	Soil pre-treatment	Not applicable	AS 1289.1.1; RMS (NSW) Method T105
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil pre-treatment	Soils	Soil pre-treatment	Accelerated weathering pre-treatment	RMS (NSW) Method T103
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil pre-treatment	Soils	Soil pre-treatment	Repeated compaction pre-treatment	RMS (NSW) Method T102
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Relative compaction	Not applicable	RMS (NSW) method T166
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Density - In-situ	Sand-cone	AS 1289.5.3.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Density - In-situ	Sand pouring apparatus	RMS (NSW) method T119
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Density index	Not applicable	AS 1289.5.6.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Dry density ratio	Calculation	AS 1289.5.4.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Moisture ratio	Measured	AS 1289.5.4.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Compaction control	Hilf	AS 1289.5.7.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil field density	Soils	Density - In-situ	Nuclear gauge	AS 1289.5.8.1; RMS (NSW) Method T173

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20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Dispersion	Emerson class	AS 1289.3.8.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Bearing ratio	Remoulded specimens	AS 1289.6.1.1; RMS (NSW) Methods T117, T132
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Compressive strength	Uniaxial maximum dry	RMS (NSW) method T114
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Penetration in-situ	Dynamic cone	AS 1289.6.3.2
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Penetration in-situ	Perth sand penetrometer	AS 1289.6.3.3
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Triaxial strength	Modified triaxial confined; Modified triaxial unconfined	RMS (NSW) Method T171
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil engineering properties	Soils	Reactivity	Shrink/swell	AS 1289.7.1.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil compaction characteristics	Soils	Dry density/moisture content relationship	Three point	RMS (NSW) method T162
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil compaction characteristics	Soils	Dry density/moisture content relationship	Standard compactive effort	AS 1289.5.1.1; RMS (NSW) Methods T111, T130
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil compaction characteristics	Soils	Dry density/moisture content relationship	Modified compactive effort	AS 1289.5.2.1; RMS (NSW) Method T112
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil compaction characteristics	Soils	Assignment of OMC/MDD	Not applicable	AS 1289.5.4.2
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil compaction characteristics	Soils	Minimum and maximum dry density	Not applicable	AS 1289.5.5.1
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil compaction characteristics	Soils	Maximum dry density	Not applicable	RMS (NSW) Method T164
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Moisture content	Drying oven	AS 1289.2.1.1; RMS (NSW) Method T120
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Liquid limit	Casagrande four point	AS 1289.3.1.1; RMS (NSW) Method T108
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Liquid limit	Casagrande one point	AS 1289.3.1.2
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Plastic limit	Not applicable	AS 1289.3.2.1; RMS (NSW) Method T109
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Plasticity index	Casagrande	AS 1289.3.3.1; RMS (NSW) Method T109
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Linear shrinkage	Not applicable	AS 1289.3.4.1; RMS (NSW) Method T113
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Soil classification	Soils	Sieve analysis	Not applicable	AS 1289.3.6.1; RMS (NSW) Method T106

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20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Rock properties	Rocks	Point load strength index	Not applicable	AS 4133.4.1; RMS (NSW) Method T223
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Road pavement structural performance	Road pavements	Structural performance	Benkelman beam	RMS (NSW) method T160
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Road pavement structural performance	Road pavements	Structural performance	Deflection monitoring	RMS (NSW) method T199
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar specimen manufacture and curing	Concrete, grout and mortar	Specimen manufacture and curing	Curing cylinder specimens in the laboratory; In-situ manufacture and curing of cylindrical specimens	AS 1012.8.1; RMS (NSW) Method T304
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar specimen manufacture and curing	Concrete, grout and mortar	Specimen manufacture and curing	In-situ manufacture and curing of flexural strength specimens; Manufacture and curing of flexural strength specimens	AS 1012.8.2; RMS (NSW) Method T327
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar specimen manufacture and curing	Concrete, grout and mortar	Specimen manufacture and curing	In-situ manufacture and curing of drying shrinkage specimens; Manufacture and curing of drying shrinkage specimens	AS 1012.8.4
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar specimen manufacture and curing	Concrete, grout and mortar	Specimen manufacture and curing	In-situ manufacture and curing of grout and mortar cubes in the field; Manufacture and curing of grout and mortar cubes	RMS (NSW) Method T375
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Air content of freshly mixed concrete	Reduced air pressure	AS 1012.4.2
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Mass per unit volume - Fresh concrete	In-situ measurement using fixed volume measure	AS 1012.5
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Compressive strength	Cylinder	AS 1012.9; RMS (NSW) Method T306
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Compressive strength	Core	AS 1012.14
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Specimen preparation	Capping of compressive strength specimens	RMS (NSW) method T305
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Compressive strength	Cube	AS 1012.9; RMS (NSW) Method T375
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Flexural strength	Modulus of rupture	AS 1012.11; RMS (NSW) Method T328
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Mass per unit volume - Hardened concrete	Dimensional measurement of cylinders	AS 1012.12.1; RMS (NSW) Method T316
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar properties	Concrete, grout and mortar	Mass per unit volume - Hardened concrete	Water displacement of cylinders	AS 1012.12.2; RMS (NSW) Method T317
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Concrete, grout and mortar consistence in-situ	Concrete, grout and mortar	Slump flow	Cone	AS 1012.3.1; RMS (NSW) Method T301
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Bulk density	Uncompacted	AS 1141.4
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Particle density of fine aggregate	Weighing-in-water	AS 1141.5; RMS (NSW) Method T210
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Particle density of coarse aggregate	Weighing-in-water	AS 1141.6.1; RMS (NSW) Method T209
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Particle size distribution	Sieve	AS 1141.11.1; RMS (NSW) Method T201
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Particle size distribution	Sieve analysis of material finer than 75 µm	AS 1141.12; RMS (NSW) Method T203

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20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Particle size distribution	Fine particles in road materials	AS 1141.19; RMS (NSW) Method T107
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Shape	Proportional calliper	AS 1141.14; RMS (NSW) Method T213
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Shape	Flakiness	AS 1141.15
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Shape	Crushed faces	RMS (NSW) method T239
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Shape	Average least dimension	AS 1141.20.1, 20.2; RMS (NSW) Methods T235, T275
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Aggregate crushing value	Not applicable	AS 1141.21; RMS (NSW) Method T205
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Wet/dry strength variation	Not applicable	AS 1141.22; RMS (NSW) Method T215
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Abrasion	Los Angeles machine	AS 1141.23
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Abrasion	Resistance to wear by attrition	AS 1141.27
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Soundness	Exposure to sodium sulfate solution	AS 1141.24; RMS (NSW) Method T266
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Water absorption of fine aggregate	Not applicable	AS 1141.5; RMS (NSW) Method T210
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Water absorption of coarse aggregate	Not applicable	AS 1141.6.1; RMS (NSW) Method T209
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate properties	Aggregates	Bulk density	Compacted	AS 1141.4
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate contaminants	Aggregates	Weak particles contaminants	Sieving	AS 1141.32; RMS (NSW) Method T202
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate contaminants	Aggregates	Clay and fine silt	Settling	AS 1141.33; RMS (NSW) Method T268
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate contaminants	Aggregates	Organic impurities	Colour test	AS 1141.34; RMS (NSW) Method T260
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Evaluation of geotechnical and civil construction material - Aggregate contaminants	Aggregates	Foreign material in recycled aggregate	Manual classification	RMS (NSW) method T276
20708	ISO/IEC 17025	2005	Infrastructure and Asset Integrity	Establishment of annex facilities	Materials defined by all or some for which the site is accredited	Determinations defined by all or some for which the site is accredited	Techniques defined by all or some for which the site is accredited	