

Laboratory Testing

We are known for our responsiveness, accurate and reliable data collection and our consistent recommendations.



Our NATA Scope of Accreditation includes:

Soil Pre-treatment

- AS 1289.1.1 / Q101 – Disturbed Sample Preparation
- Q101A – Sample Combination & Splitting
- Q101B – Representative Sample Reduction
- Q101C – Fractionation
- Q101D – Breakup, Cleaning & Crushing

Soil Sampling

- AS 1289.1.2.1 – Disturbed Sampling
- AS 1289.1.3.1 – Undisturbed Sampling
- AS 1289.1.4.1 / Q050 – Random Sampling
- AS 1289.1.4.2 – Random Stratified Sampling
- Q060 – Representative Sampling
- Q061 – Spot Sampling

Soil Classification

- AS 1289.2.1.1 – Moisture Content (Oven)
- AS 1289.3.2.1 / Q105 – Plastic Limit
- AS 1289.3.3.2 / Q105 – Plasticity Index
- AS 1289.3.4.1 / Q106 – Linear Shrinkage
- AS 1289.3.9.1 / Q104A – Liquid Limit (4 point)
- AS 1289.3.9.2 / Q104D – Liquid Limit (1 point)
- AS 1289.3.6.1 / Q103A & B – Sieve Analysis
- AS 1726 – Soil Description, Identification and Classification

Soil Field Density

- AS 1289.5.3.1 / Q141B – Sand Replacement
- AS 1289.5.4.1 – Dry Density Ratio Calculation
- AS 1289.5.6.1 – Density Index
- AS 1289.5.7.1 – Hilf Compaction (Rapid Method)
- AS1289.5.7.1 / Q141A / N01 & N03 – Nuclear Gauge
- Q020 – Calculation of Characteristic Value
- Q140A – Relative Compaction
- Q146 – Degree of Saturation

Soil Compaction Characteristics

- AS 1289.5.1.1 / Q142A – Dry Density Moisture Content Relationship Standard (Lab Compaction)
- AS 1289.5.2.1 / Q142B – Dry Density Moisture Content Relationship Modified (Lab Compaction)
- AS 1289.5.4.2 / Q144A – Assignment of OMC/MDD
- AS 1289.5.7.1 – Hilf Compaction (Rapid Method)
- Q143 – Treatment of Oversize Material
- Q145 – Compaction to Nominated Levels

Soil Engineering Properties

- AS 1289.3.8.1 – Emerson Class Number (Dispersion)
- AS1289.6.1.1 / Q113A – CBR Standard (Strength)
- Q113B – CBR Modified (Strength)
- Q113C – Nominated Levels of Dry Density & Moisture Content (Strength)
- AS1289.6.3.2 / Q114B (Insitu Strength)

Soil Stabilisation

- Q135A – Laboratory Stabilisation of Soil