

## COMPOST, POTTING MIX & TOPSOIL PRICE LIST

Edition 16.1.2

Refer to our website for additional section Price Lists

[www.scu.edu.au/eal](http://www.scu.edu.au/eal)



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## ANALYTICAL SERVICES

### Environmental Analysis Laboratory (EAL)

The Environmental Analysis Laboratory (EAL) in the Division of Research, Southern Cross University, is set up as a commercial, teaching and research facility. EAL specialises in a range of environmental testing services for waters, acid sulfate soils, agricultural soils, plants and effluent monitoring. EAL employs over 20 professional staff and utilises the following instruments: Perkin Elmer ICPOES 4300DV; ELAN DRC-e ICPMS; NexION 300D ICPMS; LECO CNS 2000; LECO TruMac CNS Analyser; CRS Analysers; Lachat FIA Nutrient Analysers; Smartchem Nutrient Analyser, Soxtherm Oils and Grease Analyser; Bruker XRD; Leica SEM with EDAX; Pan-analytical XRF; Sedigraph Laser Particle Size Analyser; Waters Ion Chromatography system; Shumatsu TOC/TC/TN Analyser; Thermo-Finnigan IRMS; NewWave Laser Ablation System with Agilent ICPMS; Mantech AutoMax 197 pH/EC Analyser etc.

Specialists in the School of Environment, Science and Engineering, Southern Cross GeoScience and the Division of Research can also provide complete sampling, data interpretation and report production services. This includes specialists in soil science, geology, geochemistry, plant & fisheries biology, palaeontology, hydrology, marine biology and ecology.

### Important Notes on Charges, Turnaround Times and Results

The following points apply to sample analysis:

- Sample specific quotes can be negotiated and customised at competitive rates on request
- Payment is requested on delivery of samples (cash, eftpos, cheque payments accepted). Invoices are available to regular clients. Minimum charges apply
- Sub-contracted analyses are sent to approved laboratories
- On-site sample collection by qualified staff is available at a basic rate of \$110.00 +GST per hour
- Turn around times for individual projects will vary depending on the size and complexity of the task, but most will be completed within five to ten working days of receiving samples
- Results are supplied in Excel and PDF report format detailing the analytical results in relation to standard guidelines, where available
- Sample Receipt Notices, Results and Invoices are supplied by email and may be posted or faxed if requested

### Confidentiality and Quality Assurance

Confidentiality is an integral part of our quality assurance certification. Analytical results are kept confidential and no results will be released to a third party without client consent.

Strict quality control procedures are applied to all chemical, physical and bacteriological analyses. This involves frequent use of replicates to monitor precision, and standard reference materials and blanks to monitor accuracy. The laboratory is also routinely involved in inter-laboratory comparisons and trials, including the Australian Standards National Low Level Nutrient Collaborative Trials (NLLNCT) program. EAL is a member of ASPAC (Australian Soil and Plant Analysis Council) which includes a regular Quality Assurance Program for soils and plants. EAL also assists in the formulation of suitable laboratory methods for acid sulfate soil analysis.

EAL is a NATA (National Association of Testing Authorities) accredited laboratory (Lab. Acc. No. 14960). EAL has accreditation on selected tests and is continually updating the number of tests directly accredited by NATA. Please refer to the final page for a list of NATA and ASPAC accredited procedures.

EAL uses many industry accepted method references as the base for NATA, ASPAC and other in-house methods of testing. These references include *Standard Methods for the Examination of Water and Wastewater* (APHA), *Australian Standards* (AS), *Acid Sulfate Soils Laboratory Methods Guidelines* (Ahern, McElnea, Sullivan) and *Soils Chemistry Methods - Australasia* (Rayment and Lyons).

## Instructions for Submitting Samples

### Sample Collection and Preservation for Australian Standards Growing Media Samples

- Relevant Australian Standards (AS4419, AS3743, AS4454)
- Minimum of 5 litres required (10 litre plastic bucket or large heavy duty plastic bag is most suitable)
- Collect and label samples according to relevant Australian Standard
- Call EAL direct with any questions

### Sample Collection and Preservation for Basic Compost Samples

- **Min of 200g required** (half a plastic lunch bag is most suitable and a separate 125ml or 250ml glass jar filled with sample)
- Collect a representative compost sample
- Compositing (mixing) of up to 4 samples is typically considered acceptable to save on costs; note on COC if EAL is required to composite samples

### Complete EAL Chain of Custody (COC)

- Download COC from the EAL website [www.scu.edu.au/eal](http://www.scu.edu.au/eal)
- Complete all relevant details on COC
- Cheque, EFT and credit card are the preferred methods of payment
- Use Test Codes from the Price List e.g. CA-PACK-003

### Package and Send Samples

- Package sample(s) in a 10L sealable plastic bucket or large heavy duty plastic bag and seal the bag
- Enclose the COC in a sealable plastic sleeve along with any other instructions
- Samples can be dropped off in person at EAL. The university gatehouse will provide directions; follow the green and white EAL signs posted around the university. Client parking is reserved below the laboratory client entrance.
- Samples can also be sent by post or courier. TNT or TOLL are our preferred couriers, they can be contacted on 131 150 or 131 531, respectively. Please use the following delivery labels below:

#### COURIER ADDRESS:

**TO: SOUTHERN CROSS UNIVERSITY  
Environmental Analysis Laboratory (EAL)  
Ground floor, N Block, Military Road  
EAST LISMORE NSW 2480**

*EAL Contact No. 02 6620 3678 or  
Graham Lancaster Mob: 0419 984 088*

**NOTE: URGENT DELIVERY OF SAMPLES  
FOR TESTING**

#### POSTAL ADDRESS:

**TO: SOUTHERN CROSS UNIVERSITY  
Environmental Analysis Laboratory (EAL)  
PO BOX 157  
LISMORE NSW 2480**

*EAL Contact No. 02 6620 3678 or  
Graham Lancaster Mob: 0419 984 088*

**NOTE: URGENT DELIVERY OF SAMPLES  
FOR TESTING**

## Contact Details

Laboratory Position	Contact	Phone / Fax	Email
Administration	Reception	02 6620 3678 / 02 6620 3957	eal@scu.edu.au
Laboratory Manager/Director	Graham Lancaster	0419 984 088	graham.lancaster@scu.edu.au
Agricultural Coordinator	Kris Saville	0437 016 017	kris.saville@scu.edu.au
Australian Standards Coordinator	Brian Smith	0437 016 091	brian.smith@scu.edu.au

## COMPOST, POTTING MIX AND TOPSOIL

### DISCOUNTED TESTING PACKS

All packs have preparation and digest/extract charge included

ITEM CODE	AS4454 COMPOST (PACKS)	PRICE excl. GST	PRICE incl. GST
CA-PACK-011	<p><b>Compost plus Maturity Analysis under AS4454</b></p> <p>Includes Moisture, pH, EC; Wettability; Total Nitrogen (TN), Total Organic Carbon (TOC), Carbon:Nitrogen; Nitrate, Ammonium, Phosphate, Ammonium:Nitrate; Particle Size &gt; 5mm and &lt; 16mm; Physical Contaminants - Glass, Metal, Rigid Plastics &gt; 2mm, Light Plastics &gt; 5mm, Stones and Clay &gt; 5mm; Totals (Na, K, Ca, Mg, P, S, Fe, Mn, Zn, Cu, B, Hg, Pb, Ni, Cd, C, Se, As); Plant Propagules, Nitrogen Drawdown Index (NDI), Specific Oxygen Uptake Rate (SOUR), Bioassay, Low Level Pesticides (Organo-chlorines (OC), Polychlorinated Biphenyls (PCB)); Salmonella, Faecal Coliforms; Acid Neutralising Capacity (ANC) required if pH &gt; 8.0. Note: 10 Litres of sample is required to complete testing.</p>	\$600.00	\$660.00
CA-PACK-005	<p><b>Compost Soluble Nutrient Monitoring under AS4454</b></p> <p>Includes Moisture, pH, EC; Nitrate, Ammonium, Phosphate, Ammonium:Nitrate.</p>	\$60.00	\$66.00
CA-PACK-003	<p><b>Compost/ Mulch Analysis under AS4454</b></p> <p>Includes Moisture, pH, EC; Wettability; Total Nitrogen (TN), Total Organic Carbon (TOC), Carbon:Nitrogen Ratio; Nitrate, Ammonium, Phosphate, Ammonium:Nitrate Ratio; Particle Size &gt; 5mm and &lt; 16mm; Physical Contaminants - Glass, Metal, Rigid Plastics &gt; 2mm, Light Plastics &gt; 5mm, Stones and Clay &gt; 5mm; Totals (Na, K, Ca, Mg, P, S, Fe, Mn, Zn, Cu, B, Hg, Pb, Ni, Cd, C, Se, As); Plant Propagules, Low Level Pesticides (Organo-chlorines (OC), Polychlorinated Biphenyls (PCB)); Salmonella, Faecal Coliforms; Acid Neutralising Capacity (ANC) required if pH &gt; 8.0. Note: 10 Litres of sample is required to complete testing.</p>	\$450.00	\$495.00
CA-PACK-013	<p><b>LECO - Total Carbon, Total Nitrogen under AS4454/AS3743/AS4419</b></p> <p>Includes Total Carbon (TC) and Total Nitrogen (TN), Carbon/Nitrogen Ratio.</p>	\$25.00	\$27.50
CA-PACK-012	<p><b>Maturity Analysis under AS4454</b></p> <p>Includes Moisture; Ammonium, Nitrate, Ammonium:Nitrate Ratio, Plant Propagules, Nitrogen Drawdown Index (NDI), Specific Oxygen Uptake Rate (SOUR), Bioassay; Salmonella, Faecal Coliforms. Note: 5 Litres of sample is required to complete testing.</p>	\$300.00	\$330.00
CA-PACK-014	<p><b>Nutrients - Water Extractable under AS4454/AS4419</b></p> <p>Includes Moisture, Nitrate, Phosphate, Ammonium (1:5 H<sub>2</sub>O).</p>	\$50.00	\$55.00
CA-PACK-010	<p><b>pH and EC under AS4454/AS4419</b></p> <p>Includes moisture, pH and EC (1:5 water).</p>	\$40.00	\$44.00
SS-PACK-035	<p><b>SOUR Test</b></p> <p>Includes Moisture, Volatile Solids Concentration, Specific Oxygen Uptake Rate (SOUR) with an incubation of 20oC.</p>	\$100.00	\$110.00

All packs have preparation and digest/extract charge included

ITEM CODE	AS3743 POTTING MIX (PACKS)	PRICE excl. GST	PRICE incl. GST
CA-PACK-017	<p><b>Ammonium Acetate Extractable Macronutrients under AS3743</b></p> <p>Includes Calcium, Magnesium, Sodium, Potassium, Phosphorus, Sulfur (1:1.5).</p>	\$25.00	\$27.50

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All packs have preparation and digest/extract charge included

ITEM CODE	AS3743 POTTING MIX (PACKS) (CONT.)	PRICE excl. GST	PRICE incl. GST
CA-PACK-018	<b>DTPA Extractable Micronutrients under AS3743</b> Includes Iron, Copper, Zinc, Manganese (1:1.5).	\$25.00	\$27.50
CA-PACK-013	<b>LECO - Total Carbon, Total Nitrogen under AS4454/AS3743/AS4419</b> Includes Total Carbon (TC) and Total Nitrogen (TN), Carbon/Nitrogen Ratio.	\$25.00	\$27.50
CA-PACK-015	<b>Nutrients - Water Extractable under AS3743</b> Includes Nitrate, Ammonium (1:1.5 H <sub>2</sub> O).	\$40.00	\$44.00
CA-PACK-016	<b>pH and EC under AS3743</b> Includes pH and EC (1:1.5 water).	\$30.00	\$33.00
CA-PACK-007	<b>Potting Mix and Growing Media - Premium under AS3743</b> Includes pH, EC, Chloride, Sodium, Calcium, Magnesium, Potassium, Phosphate, Nitrate, Ammonium, Sulfate, Iron, Copper, Manganese, Zinc, Boron, Air-Filled Porosity (AFP), Water Holding Capacity (WHC), Wettability, Plant Growth Bioassay (Toxicity Index), Nitrogen Drawdown Index (NDI). Note: 10 Litres of sample is required to complete testing.	\$300.00	\$330.00
CA-PACK-006	<b>Potting Mix and Growing Media - Regular under AS3743</b> Includes pH, EC, Chloride, Sodium, Calcium, Magnesium, Potassium, Ammonium, Iron, Copper, Manganese, Zinc, Boron, Air-Filled Porosity (AFP), Water Holding Capacity (WHC), Wettability, Plant Growth Bioassay (Toxicity Index), Nitrogen Drawdown Index (NDI). Note: 10 Litres of sample is required to complete testing.	\$275.00	\$302.50

All packs have preparation and digest/extract charge included

ITEM CODE	AS4419 LANDSCAPE (PACKS)	PRICE excl. GST	PRICE incl. GST
CA-PACK-013	<b>LECO - Total Carbon, Total Nitrogen under AS4454/AS3743/AS4419</b> Includes Total Carbon (TC) and Total Nitrogen (TN), Carbon/Nitrogen Ratio.	\$25.00	\$27.50
SS-PACK-057	<b>Low Density/Organic Soil Test under AS4419-2003</b> Includes Moisture, pH, EC; Wettability; Bulk Density; Nitrogen Drawdown Index (NDI); Toxicity; Permeability; Organic Matter; Ammonium, Phosphate; Large Particles; Heavy Metals (Zinc, Copper, Mercury, Lead, Nickel, Cadmium, Chromium, Selenium, Arsenic); Low Level Pesticides (Organo-chlorines (OC), Polychlorinated Biphenyls (PCB)). Note: 3 Litres of sample is required to complete testing.	\$450.00	\$495.00
SS-PACK-058	<b>Natural/Soil Blend Soil Test under AS4419-2003</b> Includes Moisture, pH, EC; Texture; Wettability; Bulk Density; Nitrogen Drawdown Index (NDI); Toxicity; Permeability; Dispersibility; Organic Matter; Phosphate; Large Particles; Heavy Metals (Zinc, Copper, Mercury, Lead, Nickel, Cadmium, Chromium, Selenium, Arsenic); Low Level Pesticides (Organo-chlorines (OC), Polychlorinated Biphenyls (PCB)). Note: 5 Litres of sample is required to complete testing.	\$480.00	\$528.00
CA-PACK-014	<b>Nutrients - Water Extractable under AS4454/AS4419</b> Includes Moisture, Nitrate, Phosphate, Ammonium (1:5 H <sub>2</sub> O).	\$50.00	\$55.00
CA-PACK-010	<b>pH and EC under AS4454/AS4419</b> Includes moisture, pH and EC (1:5 water).	\$40.00	\$44.00

All packs have preparation and digest/extract charge included

ITEM CODE	GENERAL (PACKS)	PRICE excl. GST	PRICE incl. GST
CA-PACK-001	<b>Compost Acid Extractable Nutrients</b> Includes Moisture, pH, EC; Total Nitrogen (TN), Total Carbon (TC); Sodium, Potassium, Calcium, Magnesium, Phosphorus, Sulfur, Silicon, Cobalt, Molybdenum, Zinc, Manganese, Iron, Copper, Boron.	\$100.00	\$110.00



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All packs have preparation and digest/extract charge included

ITEM CODE	GENERAL (PACKS) (CONT.)	PRICE excl. GST	PRICE incl. GST
CA-PACK-004	<p><b>Compost Available Nutrients (using soil methodology)</b> Includes Available (Calcium, Magnesium, Potassium, Ammonium, Nitrate, Phosphate, Sulfur); Exchangeable (Sodium, Potassium, Calcium, Magnesium, Hydrogen, Aluminium, Cation Exchange Capacity); Bray I and II Phosphorus; Colwell Phosphorus; Available Micronutrients (Zinc, Manganese, Iron, Copper, Boron, Silicon).</p>	\$90.00	\$99.00
CA-PACK-008	<p><b>Compost Water Soluble Nutrients</b> Includes Moisture; Nitrate, Ammonium; Chloride; Calcium, Magnesium, Sodium, Potassium, Phosphorus, Sulfur, Boron, Copper, Iron, Manganese, Zinc, Aluminium, Molybdenum and Cobalt.</p>	\$90.00	\$99.00
SS-PACK-062	<p><b>MRTS16 - Form C Topsoil Testing</b> Includes Bulk Density; Organic Matter; Wettability; pH &amp; EC (H<sub>2</sub>O, 1:5); Texture; Permeability; Extr. (Phosphorus, Sulfur); Soluble Chloride; Large Particles; Exch. (Calcium, Magnesium, Sodium, Potassium, Aluminium, ECEC, Calcium:Magnesium Ratio); Dispersion (Emerson Class); Water Repellence Class; Slaking Class; Clouding (Dispersion) Class; Plant Propagules (Imported Topsoil Only). Note: 5 Litres of sample is required to complete testing.</p>	\$300.00	\$330.00
SS-PACK-063	<p><b>MRTS16 - Form E Subsoil Testing</b> Includes Wettability; pH &amp; EC (H<sub>2</sub>O, 1:5); Texture; Extr. (Sulfur); Soluble Chloride; Exch. (Calcium, Magnesium, Sodium, Potassium, Aluminium, ECEC, Calcium:Magnesium Ratio); Water Repellence Class; Slaking Class; Clouding (Dispersion) Class. Note: 2 Litres of sample is required to complete testing.</p>	\$180.00	\$198.00
SS-PACK-059	<p><b>Pathogens</b> Includes Ecoli, Faecal Coliforms, Salmonella.</p>	\$100.00	\$110.00
SS-PACK-055	<p><b>Pesticide Screen 2a - Low Level</b> Includes Low Level Pesticide Analysis: Organo-chlorines (OC) and Polychlorinated Biphenyls (PCB).</p>	\$120.00	\$132.00
SS-PACK-056	<p><b>Pesticide Screen 2b - Low Level</b> Includes Low Level Pesticide Analysis: Organo-chlorines (OC), Organo-phosphates (OP), Polychlorinated Biphenyls (PCB).</p>	\$130.00	\$143.00
SS-PACK-045	<p><b>Total Acid Extractable - Heavy Metals (ICPMS)</b> Includes Lead, Cadmium, Arsenic, Nickel, Aluminium, Mercury, Chromium, Silver, Selenium.</p>	\$50.00	\$55.00

## SINGLES TESTING

Samples that require LECO testing also need Sample Preparation (SS-PREP-001)

ITEM CODE	PREPARATION	PRICE excl. GST	PRICE incl. GST
SS-SING-001	<b>Moisture - (105oC Oven)</b>	\$10.00	\$11.00
SS-PREP-001	<b>Sample Preparation</b> Includes drying and ring mill grinding.	\$10.00	\$11.00

Samples that require LECO testing also need Sample Preparation (SS-PREP-001)

ITEM CODE	AS4454 COMPOST (SINGLES)	PRICE excl. GST	PRICE incl. GST
SS-SING-168	<b>Ammonium (1:5 H2O) under AS4454/AS4419</b> Incudes moisture, extractable ammonium.	\$30.00	\$33.00
SS-SING-139	<b>Bulk density under AS4454/AS3743</b>	\$20.00	\$22.00
SS-SING-172	<b>Chloride (1:5 H2O) under AS4454/AS4419</b> Incudes moisture, soluble choride.	\$30.00	\$33.00
SS-SING-180	<b>EC (1:5 H2O) under AS4454/AS4419</b> Includes moisture, EC (1:5 H2O).	\$24.00	\$26.40
SS-SING-170	<b>Nitrate (1:5 H2O) under AS4454/AS4419</b> Incudes moisture, extractable nitrate.	\$30.00	\$33.00
SS-SING-119	<b>Nitrogen Drawdown Index (NDI) under AS4454/AS4419</b> Note: 3 Litres of sample is required to complete testing.	\$95.00	\$104.50
SS-SING-177	<b>Organic Matter under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Organic Carbon (TOC), Organic Matter by calculation.	\$25.00	\$27.50
SS-SING-123	<b>Particle Size Grading under AS4454</b> Includes percentage mass retained on 5mm and 16mm sieve. Note: 5 Litres of sample is required to complete testing.	\$30.00	\$33.00
SS-SING-178	<b>pH (1:5 H2O) under AS4454/AS4419</b> Includes moisture, pH (1:5 H2O).	\$24.00	\$26.40
SS-SING-165	<b>Phoshate (1:5 H2O) under AS4454/AS4419</b> Incudes moisture, extractable phosphate.	\$30.00	\$33.00
SS-SING-145	<b>Plant Growth Test (Bioassay) - TMECC 05.05-B</b> In-vitro germination and root elongation. Note: 1L of sample is required to complete testing.	\$50.00	\$55.00
SS-SING-189	<b>Plant Growth Test (Bioassay) under AS4454</b> Used on fresh soils and composts. Seedling emergence and relative root growth. Note: 1L of sample is required to complete testing.	\$50.00	\$55.00
SS-SING-174	<b>Total Nitrogen (LECO) under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Nitrogen (TN).	\$20.00	\$22.00
SS-SING-176	<b>Total Organic Carbon (LECO) under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Organic Carbon (TOC).	\$25.00	\$27.50
SS-SING-137	<b>Viable Plant Propagules under AS4454/AS3743</b> Note: 5 Litres of sample required to complete testing.	\$50.00	\$55.00
SS-SING-122	<b>Visual Contaminants under AS4454</b> Applies to composts from agricultural or source separated organics. Includes contamination with glass, metal, rigid plastics, stones, lumps of clay, light flexible, film plastics. Note: 5 Litres of sample is required to complete testing.	\$40.00	\$44.00
SS-SING-072	<b>Wettability under AS4454/AS3743</b>	\$20.00	\$22.00



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Samples that require LECO testing also need Sample Preparation (SS-PREP-001)

ITEM CODE	AS3743 POTTING MIX (SINGLES)	PRICE excl. GST	PRICE incl. GST
SS-SING-120	<b>Air-filled Porosity (AFP) under AS3743</b> Note: 2 Litres of sample is required to complete testing.	\$25.00	\$27.50
SS-SING-169	<b>Ammonium (1:1.5 H<sub>2</sub>O) under AS3743</b> Incudes extractable ammonium.	\$30.00	\$33.00
SS-SING-139	<b>Bulk density under AS4454/AS3743</b>	\$20.00	\$22.00
SS-SING-173	<b>Chloride (1:1.5 H<sub>2</sub>O) under AS3743</b> Incudes soluble choride.	\$30.00	\$33.00
SS-SING-181	<b>EC (1:1.5 H<sub>2</sub>O) under AS3743</b> Includes EC (1:1.5 H <sub>2</sub> O).	\$14.00	\$15.40
SS-SING-171	<b>Nitrate (1:1.5 H<sub>2</sub>O) under AS3743</b> Incudes extractable nitrate.	\$30.00	\$33.00
SS-SING-188	<b>Nitrogen Drawdown Index (NDI) under AS3743</b> Note: 3 Litres of sample is required to complete testing.	\$95.00	\$104.50
SS-SING-177	<b>Organic Matter under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Organic Carbon (TOC), Organic Matter by calculation.	\$25.00	\$27.50
SS-SING-179	<b>pH (1:1.5 H<sub>2</sub>O) under AS3743</b> Includes pH (1:1.5 H <sub>2</sub> O).	\$14.00	\$15.40
SS-SING-166	<b>Phoshate (1:1.5 H<sub>2</sub>O) under AS3743</b> Incudes extractable phosphate.	\$30.00	\$33.00
SS-SING-190	<b>Plant Growth Test (Bioassay) under AS3743/AS4419</b> Used on fresh soils and composts. Seedling emergence and relative root growth. Note: 1L of sample is required to complete testing.	\$50.00	\$55.00
SS-SING-174	<b>Total Nitrogen (LECO) under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Nitrogen (TN).	\$20.00	\$22.00
SS-SING-176	<b>Total Organic Carbon (LECO) under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Organic Carbon (TOC).	\$25.00	\$27.50
SS-SING-137	<b>Viable Plant Propagules under AS4454/AS3743</b> Note: 5 Litres of sample required to complete testing.	\$50.00	\$55.00
SS-SING-121	<b>Water Holding Capacity (WHC) under AS3743</b> Note: 2 Litres of sample is required to complete testing.	\$20.00	\$22.00
SS-SING-072	<b>Wettability under AS4454/AS3743</b>	\$20.00	\$22.00

Samples that require LECO testing also need Sample Preparation (SS-PREP-001)

ITEM CODE	AS4419 LANDSCAPE (SINGLES)	PRICE excl. GST	PRICE incl. GST
SS-SING-168	<b>Ammonium (1:5 H<sub>2</sub>O) under AS4454/AS4419</b> Incudes moisture, extractable ammonium.	\$30.00	\$33.00
SS-SING-183	<b>Bulk Density under AS4419</b>	\$20.00	\$22.00
SS-SING-172	<b>Chloride (1:5 H<sub>2</sub>O) under AS4454/AS4419</b> Incudes moisture, soluble choride.	\$30.00	\$33.00
SS-SING-167	<b>Dispersability under AS4419</b>	\$40.00	\$44.00
SS-SING-180	<b>EC (1:5 H<sub>2</sub>O) under AS4454/AS4419</b> Includes moisture, EC (1:5 H <sub>2</sub> O).	\$24.00	\$26.40

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Samples that require LECO testing also need Sample Preparation (SS-PREP-001)

ITEM CODE	AS4419 LANDSCAPE (SINGLES) (CONT.)	PRICE excl. GST	PRICE incl. GST
SS-SING-170	<b>Nitrate (1:5 H<sub>2</sub>O) under AS4454/AS4419</b> Includes moisture, extractable nitrate.	\$30.00	\$33.00
SS-SING-119	<b>Nitrogen Drawdown Index (NDI) under AS4454/AS4419</b> Note: 3 Litres of sample is required to complete testing.	\$95.00	\$104.50
SS-SING-177	<b>Organic Matter under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Organic Carbon (TOC), Organic Matter by calculation.	\$25.00	\$27.50
SS-SING-184	<b>Particles Size Grading - Large particles under AS4419</b> Includes percentage mass retained on 10mm, 20mm, 50mm and 75mm sieve. Note: 5 Litres of sample is required to complete testing.	\$40.00	\$44.00
SS-SING-156	<b>Permeability under AS4419</b>	\$95.00	\$104.50
SS-SING-178	<b>pH (1:5 H<sub>2</sub>O) under AS4454/AS4419</b> Includes moisture, pH (1:5 H <sub>2</sub> O).	\$24.00	\$26.40
SS-SING-165	<b>Phosphate (1:5 H<sub>2</sub>O) under AS4454/AS4419</b> Includes moisture, extractable phosphate.	\$30.00	\$33.00
SS-SING-190	<b>Plant Growth Test (Bioassay) under AS3743/AS4419</b> Used on fresh soils and composts. Seedling emergence and relative root growth. Note: 1L of sample is required to complete testing.	\$50.00	\$55.00
SS-SING-164	<b>Texture - Full under AS4419</b>	\$15.00	\$16.50
SS-SING-174	<b>Total Nitrogen (LECO) under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Nitrogen (TN).	\$20.00	\$22.00
SS-SING-176	<b>Total Organic Carbon (LECO) under AS4454/AS3743/AS4419</b> Includes moisture correction, Total Organic Carbon (TOC).	\$25.00	\$27.50
SS-SING-182	<b>Wettability under AS4419</b>	\$20.00	\$22.00

Samples that require LECO testing also need Sample Preparation (SS-PREP-001)

ITEM CODE	GENERAL (SINGLES)	PRICE excl. GST	PRICE incl. GST
SS-SING-090	<b>Acid Neutralising Capacity (ANC)</b> Used to calculate net acidity where pHKCl > 6.5 and SCR < texture dependent trigger.	\$30.00	\$33.00
SS-SING-063	<b>Asbestos Identification (Not Quantifiable)</b> Identification in building material, soil, compost and dust.	\$70.00	\$77.00
SS-SING-160	<b>Brix Reading</b>	\$10.00	\$11.00
SS-SING-044	<b>E.Coli</b>	\$40.00	\$44.00
SS-SING-043	<b>Faecal Coliforms</b>	\$40.00	\$44.00
SS-SING-056	<b>Organo-chlorines (OC) - Low Level (Detection Limit - 0.01 ppm)</b>	\$100.00	\$110.00
SS-SING-154	<b>Phytophthora and Pythium</b>	\$220.00	\$242.00
SS-SING-014	<b>Plant Growth Test (Bioassay) - Toxicity</b> Used on fresh soils and composts. Seedling emergence and relative root growth. Note: 1L of sample is required to complete testing.	\$50.00	\$55.00
SS-SING-058	<b>Polychlorinated Biphenyls (PCB) - Low Level (Detection Limit - 0.01 ppm)</b>	\$100.00	\$110.00
SS-SING-131	<b>Redox Potential</b>	\$12.00	\$13.20
SS-SING-045	<b>Salmonella</b>	\$60.00	\$66.00



**NATA ACCREDITED TESTS**  
(Lab Acc. No. 14960)

ID	Tests	Reference	Issue Date
S1	Soil pH and Conductivity	In-house (re Rayment & Lyons 3A1,4A1)	Jul, 2003
S4a	Total C, N, S by Dumas	In-house	Sep, 2013
S14	Acid Neutralising Capacity	In-house (re QASSIT Manual 19A2)	May, 2005
S15b	Total Organic Carbon in Soil by Dumas	In-house	Sep, 2013
S16-B	Titrateable Actual Acidity	In-house (re QASSIT Manual 23)	May, 2005
S20	Chromium Reducible Sulfur	In-house (re QASSIT Manual 22B)	May, 2005
S21	Acid Sulfate Peroxide Screening	In-house	May, 2005
S38	Lead in Paint	In-house	Sep, 2011
W1	Turbidity	In-house	Sep, 2011
W4	Total N/Total P (Lachat)	In-house (re APHA 4500 P-H N-C)	Mar, 2000
W6	Nitrite in Waters (Lachat)	APHA 4500 NO3-I	Jul, 2003
W7	Nitrate in Waters (Lachat)	APHA 4500 NO3-F	Jul, 2003
W8	Ortho-Phosphate in Waters (Lachat)	APHA 4500 P-G	Jun, 2003
W9	Ammonia in Waters (Lachat)	APHA 4500 NH3-H	Jul, 2003
W25	Total Suspended Solids	APHA 2540-D	Jul, 2003
W26	BOD in Waters & Wastewaters	APHA 5210-B	Jul, 2003
W28a	Total Oils & Grease Automated	APHA 5520-D	Jan, 2003
W31	Water pH & Conductivity	APHA 4500-H & 2510-B	Jun, 2003
W32	ICPMS Metals Analysis in Soils & Waters (Al,Sb,As,Ba,Be,Bi,B,Cd,Ca,Cr,Co,Cu,Fe,Pb,Li,Mg, Mn,Hg,Mo,Ni,P,K,Se,Ag,Na,Sr,S,Tl,Th,Sn,U,V,Zn)	In-house (re APHA 3125)	Sep, 2011
W32a	Trace Metals in Saline Water	In-house (re APHA 3125)	Aug, 2013
W33	Soluble Chloride as Chloride in Waters	In-house (by ICPMS)	Oct, 2013



**ASPAC TESTS**  
(for Plant and Soil)

Tests	Reference
Soil pH	Rayment & Lyons 4A1, 4B1, 4B2
Soil Conductivity	Rayment & Lyons 3A1
Bray 1, Colwell, Olsen Phosphorus	Rayment & Lyons 9E2, 9B2, 9C2
Total Phosphorus	Rayment & Lyons 17C1
Exchangeable Cations - Ca,Mg,K,Na	Rayment & Lyons 15D3
Exchangeable Cations - H,Al	Rayment & Lyons 15G1
DTPA - Fe,Cu,Zn,Mn	Rayment & Lyons 12A1
Total Carbon and Nitrogen	Rayment & Lyons 6B2b, 7A5
Nitrate/Ammonium	Rayment & Lyons 7C2
Soluble Chloride	Rayment & Lyons 5A2
Extractable Boron	Rayment & Lyons 12C2
Extractable Sulfur	Rayment & Lyons 10D1
Phosphorus Buffer Index	Rayment & Lyons 9I2b
Ca,Mg,K,Na,Fe,Cu,Zn,Mn,P,S,Al,B	Rayment & Lyons 18F1
Soluble Chloride	ASPAC Method Code BB-32
Ca,Mg,P,K,Na,Si,B,S	ASPAC Method Code AE-24
C,N,S	ASPAC Method Code CA-37
Cd,Co,Fe,Pb,Mn,Mo,Se,Zn	ASPAC Method Code AE-24

**Note: See EAL website under 'About' for current scope of accreditation for NATA and ASPAC**