



AS4419: 2018 Landscape Soils

Sample Drop Off: 16 Chilvers Road
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Batch N°: 72862	Sample N°: 2	Date Report Generated: 15/07/2026	Report Status: Final
Client Name: Gippsland Soil Solutions P/L	Project Name: Gippsland Soil Solutions	SESL Quote N°:	
Client Contact: Jamie Marslen	Sample Name: Sandy Loam	Description: Soil	
Client Order N°:	Test Type: 4419_2018_LS, EAT, Disp_4419		
Address: PO Box 376 Trafalgar VIC 3824			

Soil Criteria: Medium Organic Matter, Low Phosphorus

RECOMMENDATIONS

This sample was supplied by the client for analysis at SESL Australia's laboratory (NATA #15633) and the results have been compared against the Australian Standard Soils for Landscaping and Garden Use (AS4419) in the category of medium organic matter and low phosphorus soils. The sample is compliant with the standard and has met all parameters. No amendment is required.

Emerson Aggregate Test (EAT): Class 3.2
Dispersion in H₂O (1:5) (AS4419): 3

SCHEME OF SOILS TESTING ^{A, D}

Property	Unit	Requirement	Result	Comments
Bulk density	kg/L	No Requirement	0.74	No Requirement
pH in H ₂ O (1:5) ^C	pH units	6.1 - 7.5	6.92	Satisfactory
Electrical Conductivity (1:5)	dS/m	< 1.75	0.32	Satisfactory
eCEC	cmol(+)/kg	No Requirement	5.22	No Requirement
Sodium (Na)	% eCEC	< 20	7.2	Satisfactory
Potassium (K)	% eCEC	5 - 15	14.4	Satisfactory
Calcium (Ca) (Acid & Neutral Soils)	% eCEC	50 - 80	61.5	Satisfactory
Calcium (Ca) (Alkaline Soils)	% eCEC	50 - 90	61.5	Satisfactory
Magnesium (Mg)	% eCEC	10 - 30	17	Satisfactory
Available Phosphorus (P)	mg/kg	< 30	18	Satisfactory
Organic Matter ^B	% dwb	6 - 15	7.5	Satisfactory
Total Available Nitrogen (NO ₃ + NH ₄)	mg/kg	> 30	54	Satisfactory
Large Particles >20mm	% w/w	< 2	<0.05	Satisfactory
Bioassay	mm	> 60	126	Satisfactory
Water Repellence	Seconds	≤ 60	1	Satisfactory

FOOTNOTES:

A) Analysis performed as prescribed in AS4419:2018 - Table 1 - Landscape Soils (On Grade)
B) Organic matter method used - Total Organic Carbon (Dumas Combustion)
- It is recommended that landscape soils containing greater than 20% by mass organic matter not be used in any outdoor landscaping, including on-slab installations, other than in tubs, small containers or as an additive to improve in situ soil. In selected situations, their installation may be acceptable but they should not be applied to a depth exceeding 150mm. Inclusions at greater depths could lead to putrefaction and consequential damage to plants.

C) When tested in accordance with Appendix D the following shall apply as prescribed in section 5.2:
i) Acid soils shall have a pH of not less than 4.5 and not greater than 6.0
ii) Neutral soils shall have a pH of not less than 6.1-7.5
iii) Alkaline soils shall have a pH of not less than 7.6 and not greater than 9.0
D) No chemical, physical or biological contaminants have been considered within this analysis - See AS4419:2018 Section 8 for requirements.

Consultant:
Michael Fox

14/07/2026

Authorised Signatory:
Owen Guy

14/07/2026