AS4419: 2018 Landscape Soils

Sample Drop Off: 16 Chilvers Road
Thornleigh NSW 2120

Tel: 1300 30 40 80
Em: info@sesl.com.au
Web: www.sesl.com.au

Batch N°: 73521 **Sample N°: 2** **Date Report Generated: 20/10/2026** **Report Status: Final**

Client Name: **Gippsland Soil Solutions P/L**
Client Contact: **Jamie Marslen**
Client Order N°:
Address: **PO Box 376**
Trafalgar VIC 3824

Project Name: **Gippsland Soil Solutions**
SESL Quote N°:
Sample Name: **Sandy Loam**
Description: **Soil**
Test Type: **4419_2018_LS, EAT, Disp_4419**

Soil Criteria: Medium Organic Matter, Low Phosphorus

RECOMMENDATIONS

The sample was submitted to SESL Australia by the client

Analysed by SESL Australia NATA #15633

Results only requested.

Emerson Aggregate Test (EAT): Class 3.1
Dispersion in H2O (1:5) (AS4419): 2

SCHEME OF SOILS TESTING [A, D]

Property	Unit	Requirement	Result	Comments
Bulk density	kg/L	No Requirement	1.1	No Requirement
pH in H_2O (1:5) [C]	pH units	6.1 - 7.5	7.46	Satisfactory
Electrical Conductivity (1:5)	dS/m	< 1.75	0.67	Satisfactory
eCEC	cmol(+)/kg	No Requirement	8.24	No Requirement
Sodium (Na)	% eCEC	< 20	8.3	Satisfactory
Potassium (K)	% eCEC	5 - 15	12.5	Satisfactory
Calcium (Ca) (Acid & Neutral Soils)	% eCEC	50 - 80	60.4	Satisfactory
Calcium (Ca) (Alkaline Soils)	% eCEC	50 - 90	60.4	Satisfactory
Magnesium (Mg)	% eCEC	10 - 30	18.8	Satisfactory
Available Phosphorus (P)	mg/kg	< 30	23	Satisfactory
Organic Matter [B]	% dwb	6 - 15	6.5	Satisfactory
Total Available Nitrogen (NO3 + NH4)	mg/kg	> 30	140	Satisfactory
Large Particles >20mm	% w/w	< 2	<0.05	Satisfactory
Bioassay	mm	> 60	60	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: Biserka Vasovic
Biserka Vasovic 19/10/2026

Authorised Signatory: Owen Guy
Owen Guy 19/10/2026