AS4419: 2018 Landscape Soils

Sample Drop Off: 16 Chilvers Road
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Batch N°: 72957 **Sample N°: 1** **Date Report Generated: 30/07/2026** **Report Status: Draft**

Client Name: **Centenary Landscaping Supplies**
Client Contact: **James McCullough**
Client Order N°:
Address: **26 Summers Rd**
Darra QLD 4076

Project Name: **Regular Compliance Testing**
SESL Quote N°: **2348**
Sample Name: **20260708-01SOAT**
Description: **Soil**
Test Type: **4419_2018_LS**

Soil Criteria: Medium Organic Matter, High Phosphorus

RECOMMENDATIONS

This soil sample was submitted to SESL Australia by the client for analysis to *Australian Standard 4419 - Landscape Soils* (AS4419). This soil falls within the criteria of **medium organic matter, high phosphorous**. The soil does not meet criteria for nitrogen.

Amelioration Strategy:
- Apply urea at 0.1 kg/m^3 if stockpiled to increase nitrogen.

Analysed by SESL Australia NATA #15633

SCHEME OF SOILS TESTING [A, D]

Property	Unit	Requirement	Result	Comments
Bulk density	kg/L	No Requirement	0.88	No Requirement
pH in H_2O (1:5) [C]	pH units	6.1 - 7.5	6.53	Satisfactory
Electrical Conductivity (1:5)	dS/m	< 1.75	0.44	Satisfactory
eCEC	cmol(+)/kg	No Requirement	11.8	No Requirement
Sodium (Na)	% eCEC	< 20	5.9	Satisfactory
Potassium (K)	% eCEC	5 - 15	8.6	Satisfactory
Calcium (Ca) (Acid & Neutral Soils)	% eCEC	50 - 80	64.2	Satisfactory
Calcium (Ca) (Alkaline Soils)	% eCEC	50 - 90	64.2	Satisfactory
Magnesium (Mg)	% eCEC	10 - 30	21.2	Satisfactory
Available Phosphorus (P)	mg/kg	30 - 200	95	Satisfactory
Organic Matter [B]	% dwb	6 - 15	9.1	Satisfactory
Total Available Nitrogen (NO3 + NH4)	mg/kg	> 50	6.5	Unsatisfactory
Large Particles >20mm	% w/w	< 2	<0.05	Satisfactory
Bioassay	mm	> 60	77	Satisfactory
Water Repellence	Seconds	≤ 60	5	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:
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Authorised Signatory:
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