AS4419: 2018 Low Density Media

Sample Drop Off: 16 Chilvers Road
Thornleigh NSW 2120

Tel: 1300 30 40 80
Fax: 1300 64 46 89
Em: info@sesl.com.au
Web: www.sesl.com.au

Batch N°: 72305A	**Sample N°: 1**	**Date Received: 17/4/26**	**Report Status: Final**

Client Name:	**Centenary Landscaping Supplies**	Project Name:	**Podium Regular Testing**
		SESL Quote N°:	
Client Contact:	**James McCullough**	Sample Name:	**Podium C**
Client Order N°:		Description:	**Soil**
Address:	**26 Summers Rd** **Darra QLD 4076**	Test Type:	**4419_2018_LD**

Soil Criteria: High Organic Matter, Low Phosphorus

RECOMMENDATIONS

This soil sample was submitted to SESL Australia by the client for analysis to Australian Standard 4419 - Low Density Media. This soil falls within the category of **high organic matter, low phosphorus**.

All parameters are within the required ranges of the specification with the exception of organic matter and nitrogen draw down. The result for organic matter is within the margin of error for this analysis and may be considered satisfactory. A high organic matter analysis may also be attributed to the presence of ash within the soil mix.

Nitrogen draw down is low, apply urea at 10 g/m2 (or 100 g/m3 if in stockpile) to increase.

Analysed by SESL Australia Pty Ltd (NATA # 15633).

SCHEME OF SOILS TESTING [A, D]

Property	Unit	Requirement	Result	Comments
Bulk density	kg/L	0.3 - 0.8	0.67	Satisfactory
pH in H_2O (1:1.5) [C]	pH units	6.1 - 7.5	7.19	Satisfactory
Electrical Conductivity (1:1.5)	dS/m	< 2.2	1.38	Satisfactory
Air Filled Porosity (AFP)	%	≥ 10	14	Satisfactory
Water Holding Capacity (WHC)	%	≥ 30	45.1	Satisfactory
Phosphorus	mg/L	< 3	0.78	Satisfactory
Organic Matter [B]	% dwb	< 25	26	Unsatisfactory
Ammonium-N	mg/L	≤ 100	6.2	Satisfactory
Ammonium-N + Nitrate-N	mg/kg	≥ 50	57	Satisfactory
Nitrogen Drawdown Index (NDI)	-	≥ 0.7	0.41	Unsatisfactory
Wettability	minutes	-	0.07	

FOOTNOTES:
A) Analysis performed as prescribed in AS4419:2018 -Table 2 - Low Density Media
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: Kate Tamlyn

Authorised Signatory: Owen Guy

Date Report Generated 19/05/2026

Tests are performed under a quality system certified as complying with ISO 9001: 2008. Results and conclusions assume that sampling is representative. This document shall not be reproduced except in full.