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ANALYTICAL REPORT

CLIENT:	Eclipse Soils Pty Ltd	REPORT NO:	2026_0327
TEST REQUEST:	AS 4419-2018 Landscaping Soils	LAB SAMPLE ID:	2026_0327
ADDRESS:	Level 2, Subiaco Square Rd, Subiaco WA	DATE RECEIVED:	3/03/2026
CLIENT SAMPLE ID:	Root Zone Mix ES886		
		DATE TESTED:	3/03/26-19/03/26
SAMPLING LOCATION:	Abercrombie	DATE REPORTED:	19/03/2026

TEST RESULTS

Analyte	Result	Unit	AS4419 Compliance Requirements (Landscaping Soils – on grade)
Electrical Conductivity	0.37	mS/cm	< 0.75 Low organic low phosphorus < 1.2 Low organic high phosphorus <1.75 Medium organic <2.5 High organic
pH($CaCl_2$)	6.6	-	4.5-6.0 Acid soils 6.1-7.5 Neutral soils 7.6-9.0 Alkaline soils
Bulk Density	1.34	kg/L	--
Soil Texture	Loamy Sand		--
Available P (dry weight)	10	mg/kg	< 30 Low organic low phosphorus 30-200 Low organic high phosphorus < 30 Medium organic low phosphorus 30-200 Medium organic high phosphorus <300 High organic
Total Carbon (dry weight)	2.15	%	--
Organic Matter (dry weight after correction for $CaCO_3$)	3.70	%	3-5.9% Low organic [3] 6-14.9% Medium organic 15-25% High organic
Ammonium-N (dry weight)	9.3	mg/kg	--
Nitrate-N (dry weight)	0.59	mg/kg	--
Total available N (NO_3 + NH_4)	9.6	mg/kg	>20 Low organic > 30 Medium organic low phosphorus >50 Medium organic high phosphorus >50 High organic
Large Particles > 20 mm	0	%	<2
Bioassay	92.9	% Growth Index	>80[4]
Water repellence	<1	s	≤60s (water) or rating of ≤5 (ethanol)

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Analysis: Sample was processed and sampled in accordance with AS 4419 Standards. Electrical conductivity and pH AS 4419-2018 Appendix D. Bulk density AS 4419-2018 Appendix B. Soil Texture AS 4419-2018 Appendix K. Sodium, potassium, calcium and magnesium Rayment & Lyons (2011) as per AS 4419-2018 5.4.2. Available P AS 4419-2018 Appendix F or G. Carbon and Organic Matter (Leco furnace) Calculation AS 4419-2018 5.6. Total available nitrogen (ammonium and nitrate) AS 4419-2018 Appendix E. Particle Size dry sieving as pe AS 4419-2018 Table 1. Bioassay/Toxicity Modified method AS 4419-2018 Appendix I as per Zucconi et al. 1981. Water repellence AS 4419-2018 Appendix C.
Compliance requirements for AS4419 Landscaping Soils is $pH_{(H_2O)}$, $pH_{(CaCl_2)}$ have been provided as per client request, in accordance to AS 4419-2018 Appendix D.
(1) No pre-treatment for soluble salts
(2) Pre-treatment for soluble salts
(3) All soils shall contain no less than 3% by mass of organic matter, except top dressings (AS4419-2018 5.6).
(4) As per Zucconi et al (1981, 1985) GI values <50% indicate high phytotoxicity, 50-80% indicate moderate phytotoxicity, >80% indicate absence of phytotoxicity, >100% indicates phytonutrient/phytostimulation.

These results reflect our findings for the received sample only.

Tested by: SM HF TW Date: 19/03/2026

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