

ANALYTICAL REPORT

CLIENT:	Eclipse Soils	REPORT NO:	2021_0330
TEST REQUEST:	AS4419	LAB SAMPLE ID:	2021_0330
ADDRESS:	Level 2, 40 Subiaco Square Rd, Subiaco	DATE RECEIVED:	10/03/2021
CLIENT SAMPLE ID:	Planter Box Mix	DATE TESTED:	11/03-30/03/2021
SAMPLING LOCATION:	Abercrombie	DATE REPORTED:	31/03/2021

TEST RESULTS

Test request: AS4419 excluding permeability, pH in CaCl₂ and including Saturated Bulk Density.

Analyte	2021_0330 Planter Box Mix	Unit	AS4419 Compliance Requirements (Landscaping Soils)
Electrical Conductivity	1.13	mS/cm	< 0.75 Low organic low phosphorus < 1.2 Low organic high phosphorus <1.75 Medium organic low phosphorus
pH (CaCl ₂)	7.59		Acid soils 4.5-6.0 (in H ₂ O) Neutral soils 6.1-7.5 (in H ₂ O) Alkaline soils 7.6-9.0 (in H ₂ O)
Bulk Density	1.27	kg/L	--
Saturated Bulk Density	1.56	kg/L	
Wettability	171	mm/minute	> 5
Dispersibility (H ₂ O)	Category 2		Category 1 or 2
Dispersibility (CaCl ₂)	Category 1		--
Bioassay/Toxicity	152	% Growth Index	> 70%
Nitrogen Drawdown Index	0.585		
Soil Texture	Loamy sand		--
Large Particles > 20 mm	0	%	<2
Large Particles 10 – 20 mm	0.179	%	
Carbon (dry weight)	2.31	%	--
Organic Matter (dry weight)	3.93	%	Low Organic 3-5.9% Medium Organic 6-14.9% High Organic 15-25%
Ammonium-N (in extract)	2.23	mg/L	--
Available P/Colwell-P (dry weight)	9.02	mg/kg	< 30 Low organic low phosphorus 30-200 Low organic high phosphorus < 30 Medium organic low phosphorus

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. Wettability AS 4419 2018 Appendix C (Paragraph C4.1). Dispersibility AS 4419 2018 Appendix J. Bioassay/Toxicity Modified method AS 4419 2018 Appendix I. Nitrogen Drawdown AS 4419 2018 Appendix H. Soil Texture AS 4419 2018 Appendix K. Particle Size AS 4419 2018 Appendix A. Permeability AS 4419 2003 Appendix H. Carbon and Organic Matter (Leco furnace) Calculation AS 4419 2018. Ammonium AS 4419 2018 Appendix E. Phosphate-P AS 4419 2018 Appendix G.

These results reflect our findings for the received sample only.

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Tested by: MV, SM, NG

Date: 11/03-30/03/2021