

ANALYTICAL REPORT

CLIENT:	Eclipse Soils	REPORT NO:	2021_1991
TEST REQUEST:	AS 4419-2003 Excluding permeability	LAB SAMPLE ID:	2021_1991
ADDRESS:	Level 2, 40 Subiaco Square Rd, Subiaco	DATE RECEIVED:	05/10/2021
CLIENT SAMPLE ID:	Root Zone Soil	DATE TESTED:	6/10-21/10/2021
SAMPLING LOCATION:	Abercrombie	DATE REPORTED:	21/10/2021

TEST RESULTS

Analyte		Unit	AS4419-2003 Compliance Requirements (Natural soil or soil blend)
Electrical Conductivity	0.542	mS/cm	< 1.2
pH (CaCl ₂)	6.99		Acid 4.5 – 6 Neutral 5.5 - 7.5 Alkaline 7 – 8.5
Bulk Density	1.26	kg/L	> 0.7
Wettability	600	mm/minute	> 5
Dispersibility (H ₂ O)	Category 1		Category 1 or 2
Dispersibility (CaCl ₂)	Category 1		--
Bioassay/Toxicity	164	% Growth Index	> 70%
Nitrogen Drawdown Index	0.995		> 0.5
Soil Texture	Loamy sand		--
Large Particles > 20 mm	0	%	< 2
Large Particles 10 – 20 mm	0	%	<8
Carbon (dry weight)	1.54	%	--
Organic Matter (dry weight after correction for CaCO ₃)	2.14	%	3 - 15
Ammonium-N (in extract)	0.08	mg/L	< 200
Phosphate-P (dry weight)	9.82	mg/kg	< 5*

Analysis: Sample was processed and sampled in accordance with AS 4419 2003 Standards. Electrical conductivity and pH AS 4419 2003 Appendix D. Bulk density AS 4419 2003 Appendix B. Wettability AS 4419 2003 Appendix C. Dispersibility AS 4419 2003 Appendix G. Bioassay/Toxicity Modified method AS 4419 2003 Appendix F. Nitrogen Drawdown AS 4419 2003 Appendix E. Soil Texture AS 4419 2003 Appendix I. Particle Size AS 4419 2003 Clause 5.14. Carbon and Organic Matter (Leco furnace) Calculation AS 4419 2003 Clause 5.3. Permeability AS 4419 2003 Appendix H. Ammonium AS 4419 2003 Appendix D. Phosphate-P AS 4419 2003 Appendix D.

* If claiming suitability for phosphorus sensitive plants.

Note: Compliance requirements for pH are for H₂O extract.

These results reflect our findings for the received sample only.

Tested by: MV NG SM NT Date: 21/10/2021

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