

ANALYTICAL REPORT

CLIENT:	Eclipse	REPORT NO:	2023_0265
TEST REQUEST:	AS 4419-2018 Low Density Media	LAB SAMPLE ID:	2023_0265
ADDRESS:	Level 2, Subiaco Square Rd, Subiaco WA	DATE RECEIVED:	14/03/2023
CLIENT SAMPLE ID:	Roof Top Garden Soil ES639	DATE TESTED:	14/03/23-30/03/23
SAMPLING LOCATION:	Abercrombie	DATE REPORTED:	30/03/2023

TEST RESULTS

Analyte	Result	Unit	AS4419 Compliance Requirements (Low Density Media – on slab)
Electrical Conductivity (EC)	0.52	mS/cm	<2.2
pH (CaCl ₂)	5.84		4.5-6.0 Acid soils 6.1-7.5 Neutral soils 7.6-9.0 Alkaline soils
Soil Texture	Sandy Loam		--
Bulk Density	0.79	kg/L	0.3-0.8
Saturated Bulk Density	1.2	kg/L	--
Water Holding Capacity	42.0	%	≥30
Phosphorus (in extract)	<0.1	mg/L	8-40 Low organic 'A' or 'B' horizon <3 Medium organic 'A' horizon low P 8-40 Medium organic 'A' horizon high P <8 High organic 'A' horizon low P 8-40 High organic 'A' horizon high P
Total Carbon (dry weight)	19.6	%	--
Organic Matter (dry weight after correction for CaCO ₃)	33.4	%	<5 Low organic 'A' or 'B' horizon ⁽¹⁾ <15 Medium organic ⁽¹⁾ <25 High organic ⁽¹⁾
Ammonium-N (in extract)	0.82	mg/L	≤100
Nitrate-N (in extract)	1.5	mg/L	--
Ammonium-N + Nitrate-N	2.3	mg/L	≥50
Nitrogen Drawdown Index (NDI)	0.26		≥0.7

Analysis: Sample was processed and sampled in accordance with AS 4419 Standards. Electrical conductivity and pH AS 4419-2018 Appendix D. Soil Texture AS 4419-2018 Appendix K. Bulk density AS 4419-2018 Appendix B. Saturated bulk density, air filled porosity and water holding capacity AS 3743-2003 Appendix B as per AS4419-2018 Table 2. Phosphorus AS 4419-2018 Appendix G. Carbon and Organic Matter (Leco furnace) Calculation AS 4419-2018 5.6. Ammonium, nitrate and total available nitrogen (ammonium and nitrate) AS 4419-2018 Appendix E. Nitrogen Drawdown Index AS4419-2018 Appendix H.

(1) AS4419-2018 Clause 5.6 states that 'all soils shall contain no less than 3% by mass of organic matter (except top dressing).'

These results reflect our findings for the received sample only.

Tested by: SM HF DP GN

Date: 30/03/2023

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