

## ANALYTICAL REPORT

|                    |  |                |                  |
|--------------------|--|----------------|------------------|
| CLIENT:            | Eclipse                                | REPORT NO:     | 2024_1509        |
| TEST REQUEST:      | AS 4419-2018 Low Density Media         | LAB SAMPLE ID: | 2024_1509        |
| ADDRESS:           | Level 2, Subiaco Square Rd, Subiaco WA | DATE RECEIVED: | 9/12/2024        |
| CLIENT SAMPLE ID:  | Roof Top Garden Soil ES773             | DATE TESTED:   | 9/12/24-20/12/24 |
| SAMPLING LOCATION: | Abercrombie                            | DATE REPORTED: | 20/12/2024       |

### TEST RESULTS

| Analyte   | Result | Unit  | AS4419 Compliance Requirements (Low Density Media – on slab)  |
|---|--------|-------|---|
| Electrical Conductivity (EC)  | 2.01   | mS/cm | <2.2  |
| pH (CaCl <sub>2</sub> )   | 6.77   |       | 4.5-6.0 Acid soils<br>6.1-7.5 Neutral soils<br>7.6-9.0 Alkaline soils   |
| Soil Texture  | Sand   |       | --  |
| Bulk Density  | 0.95   | kg/L  | 0.3-0.8   |
| Saturated Bulk Density  | 1.15   | kg/L  | --  |
| Air Filled Porosity   | 16.4   | %     | ≥10   |
| Water Holding Capacity  | 39.8   | %     | ≥30   |
| Phosphorus (in extract)   | 0.08   | mg/L  | 8-40 Low organic 'A' or 'B' horizon<br><3 Medium organic 'A' horizon low P<br>8-40 Medium organic 'A' horizon high P<br><8 High organic 'A' horizon low P<br>8-40 High organic 'A' horizon high P |
| Total Carbon (dry weight)   | 12.9   | %     | --  |
| Organic Matter (dry weight after correction for CaCO <sub>3</sub> ) | 21.9   | %     | <5 Low organic 'A' or 'B' horizon <sup>(1)</sup><br><15 Medium organic <sup>(1)</sup><br><25 High organic <sup>(1)</sup>  |
| Ammonium-N (in extract)   | 0.36   | mg/L  | ≤100  |
| Nitrate-N (in extract)  | 0.23   | mg/L  | --  |
| Ammonium-N + Nitrate-N  | 0.59   | mg/L  | ≥50   |
| Nitrogen Drawdown Index (NDI)                                       | 0.162  |       | ≥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 TW GN

Date: 20/12/2024

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