

AS3743:2003 POTTING MIXES REPORT

(Number of samples) sample supplied by (Company name) on the (Date submitted), 20xx - Lab Job No. xx.

Analysis requested by (Name of Client).

(Client Address)

		Product Name: Product Type: Manufacturing Site: Manufactured Date: Test Code: Standard Applicable:	Sample 1 CA-PACK-007 AS3743:2003	Guideline AS3743:2003 Other Mixes	Guideline AS3743:2003 Other Mixes
Parameter	Method Reference		X/1	Regular	Premium
Bulk Density (kg/L)	AS4454:2012 Appendix J			0.3-0.6	0.3-0.6
Moisture Content (%)				> 40	> 40
Air-filled Porosity (%)	AS4419:2003 Appendix B			≥ 13	≥ 13
Total Water Holding Capacity (%)				≥ 40	≥ 50
Wettability (min)	AS4419:2003 Appendix C			≤ 5	≤ 2
pH	AS3743:2003 Appendix D			5.3-6.5	5.3-6.5
Electrical Conductivity (dS/m)				≤ 2.2	≤ 2.2
Chloride (mg/L)	AS3743:2003 Appendix D			≤ 200	≤ 200
Ammonium Nitrogen (mg/L N)				≤ 100	≤ 100
Ammonium Nitrogen (mg/kg N)	AS3743:2003 Appendix D		
Nitrate Nitrogen (mg/L N)			
Nitrate Nitrogen (mg/kg N)			
Ammonium plus Nitrate (mg/L N)	Calculation - Ammonium + Nitrate			..	≥ 50
Ammonium/Nitrate Ratio	Calculation - Ammonium/Nitrate		
Nitrogen Drawdown Index (NDI ₇₅)	AS3743:2003 Appendix E			≥ 0.2	≥ 0.7
Plant Growth Test - Root Elongation (mm)	AS3743:2003 Appendix F			≥ 70	≥ 70
Calcium (mg/L)				≥ 50	≥ 80
Magnesium (mg/L)				≥ 15	≥ 15
Potassium (mg/L)	AS3743:2003 Appendix G			..	≥ 30
Sodium (mg/L)				≤ 130	≤ 130
Sulphur (mg/L)				..	≥ 40
Calcium/Magnesium Ratio	Calculation - Calcium/Magnesium			1.5-10	1.5-10
Potassium/Magnesium Ratio	Calculation - Potassium/Magnesium			..	1-7
Phosphorus (mg/L)	AS3743:2003 Appendix G			..	8-40
Zinc (mg/L)				0.3-10	0.3-10
Manganese (mg/L)				1-15 <i>see note 5</i>	1-15 <i>see note 5</i>
Iron (mg/L)	AS3743:2003 Appendix G			≥ 25	≥ 25
Copper (mg/L)				0.4-15	0.4-15
Boron (mg/L)				0.02-0.65	0.02-0.65

Notes:

1. Methods from AS3743:2003 *Potting Mixes*.
2. Indicative guidelines are based on those in AS3743:2003.
3. Conversions for 1 mg/L = 1 ppm; 1 % = 10,000 ppm.
4. All soils should be free from any living parts (seeds, bulbs, corms, vegetative propagules and the like).
5. If the concentration of manganese is greater than 15 mg/L, the procedure by water extraction should be applied. If the concentration is less than 2 mg/L by water extraction, the mix has met the requirements of this standard.
6. Analysis conducted between sample arrival date and reporting date.
7. This report is not to be reproduced except in full.
8. All testing parameters have been facilitated by a NATA accredited laboratory.

Quality Checked: Brian Smith
 Compost & Landscape Soils Co-ordinator