

COMPOST 'TOTALS' ANALYSIS 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: Application: Test Applicable:	Sample 1 CA-PACK-001	Guideline AS4454:2012 Composted Product
Parameter	Method Reference		X/1	
Moisture Content (%)	**Inhouse S2 (105°C)			> 25
pH	Rayment & Lyons 2011 - 4A1 (1:5 Water)			> 5
Electrical Conductivity (dS/m)	Rayment & Lyons 2011 - 3A1 (1:5 Water)			< 10
Total Carbon (%)	Inhouse S4a (LECO Trumac Analyser)			..
Total Nitrogen (%)				≥ 0.8
Carbon/Nitrogen Ratio	**Calculation - Total Carbon/Total Nitrogen			..
Estimated Organic Matter (% OM)	**Calculation - Total Carbon x 1.75			..
Total Calcium (%)				..
Total Magnesium (%)				..
Total Potassium (%)	Rayment & Lyons 2011 - 17C1 Aqua Regia			..
Total Sodium (%)				< 1 Na
Total Sulphur (%)				..
Total Phosphorus (%)	Rayment & Lyons 2011 - 17C1 Aqua Regia			≤ 0.1 P
Total Zinc (mg/kg)				< 300 Zn
Total Manganese (mg/kg)				..
Total Iron (mg/kg)				..
Total Copper (mg/kg)	Rayment & Lyons 2011 - 17C1 Aqua Regia			< 150 Cu
Total Boron (mg/kg)				< 100 B
Total Silicon (mg/kg)				..
Total Aluminium (mg/kg)				..
Total Molybdenum (mg/kg)				..
Total Cobalt (mg/kg)	Rayment & Lyons 2011 - 17C1 Aqua Regia			..
Total Selenium (mg/kg)				< 5 Se
Nitrogen/Sulphur Ratio	**Calculation - Total Nitrogen/Total Sulfur			..
Nitrogen/Phosphorus Ratio	**Calculation - Total Nitrogen/Total Phosphorus			..
Nitrogen/Potassium Ratio	**Calculation - Total Nitrogen/Total Potassium			..

Notes:

- All analysis is dry weight – Samples reported on an oven dried basis at 105°C (testing conducted on finely ground sample dried at 40°C).
- Methods from Rayment and Lyons, 2011. *Soil Chemical Methods - Australasia*. CSIRO Publishing: Collingwood.
- Indicative guidelines are based on those in AS4454:2012 for a composted product.
- Total Acid Extractable Nutrients indicate a store of nutrients.
- Information relating to testing colour codes is available on sheet 2 - 'Understanding your agricultural soil results'.
- Conversions for 1 mg/kg = 1 ppm; 1 % = 10,000 ppm
- Conversions to kg/ha = mg/kg x 2.24
- The chloride calculation of Cl mg/L = EC x 640 is considered an estimate, and most likely an over-estimate
- Analysis conducted between sample arrival date and reporting date.
- This report is not to be reproduced except in full.
- Analysis sub-contracted - XXX Laboratories report no. xx
- All testing parameters have been facilitated by a NATA accredited laboratory.

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