



## AS4454-2012 COMPOSTS, SOIL CONDITIONERS AND MULCHES REPORT

2 samples supplied by Landtasia Organic Farms on the 31 August, 2017 - Lab Job No. G2696.

Analysis requested by Simone Dilkara.

(PO Box 116, BUNGENDORE, NSW, 2621)

3.1(C)	Polychlorinated Biphenyls	mg/kg	<0.1	<0.2	Pass
	Organochlorines - DDT, DDD, DDE	mg/kg	<0.02	<0.5	Pass
	Organochlorines - Other <sup>see note 9</sup>	mg/kg	<0.02	<0.02	Pass
	Salmonella	absent/50 g	Absent	Absent	Pass
	E coli	mpn/g	<10	<100	Pass
	Faecal Coliforms	mpn/g	171	<1,000	Pass
G	Particle Size Grading - >16mm Sieve	%	Nil	.. <sup>see note 10</sup>	..
	Particle Size Grading - >5mm<16mm Sieve	%	19.4	.. <sup>see note 10</sup>	..
	Particle Size Grading - <5mm Sieve	%	80.6	.. <sup>see note 10</sup>	..
I	Plastics Light Flexible or film >5mm	%	<0.01	≤0.05	Pass
	Stones and Lumps of Clay >5mm	%	<1	≤5	Pass
	Glass, metal and rigid plastics > 2mm	%	<0.1	≤0.5	Pass
E	Wettability	minutes	0m 36s	<5	Pass
H	Calcium Carbonate	%	5	..	..
B6	Nitrate-N in solution	N mg/L	61.5	..	..
B6	Nitrate-N dry mass equivalent	mg/kg	307.7	≥10 <sup>see note 7</sup>	..
N3.2	Ammonium:Nitrate Ratio	Ratio	0.04	<3.0	Pass
F	Plant Growth Test (Bioassay) - Root Elongation	mm	..	60	..
O	Nitrogen Drawdown Index	NDI	..	>0.2	..
	Oxygen Consumption Rate	mgO <sub>2</sub> /Kg/min	..	..	..
	Specific Oxygen Uptake Rate	mgO <sub>2</sub> /gVVS/hour	..	<3	..
M	Viable plant Propagules	7 days	Nil	.. <sup>see note 14</sup>	..

**Remarks:** All testing was done according to AS4454-2012 and all completed tests have passed except for total organic carbon.

### Testing notes

- All analysis is tested according to AS4454-2012
- mg/Kg = ppm; 1% = 10,000ppm
- Calcium Carbonate required if pH > 8.0
- ".." denotes no requirement
- Guide only to be used if a product claims to be used for phosphorus sensitive plants. < 1 if applied to sandy soils
- If OM > 40% maximum moisture = %OM + 6; If OM < 40% maximum moisture = %OM + 10
- Guide only to be used if a product claims to contribute to plant nutrition
- Organic Matter is Organic Carbon x 1.7
- Other Organochlorines include: Aldrin, Dieldrin, Chlordane, Heptachlor, HCB, Lindane, BHC
- Coarse Mulch > 70% >16mm, Fine Mulch <20% >16mm and <20% <5mm, Soil Conditioner <20% >16mm
- Analysis completed according to TMECC 05.05-B; Composted product pass >80%, Mature compost pass > 90%
- N/A reported for additional analyses not required under the standard
- (BIOMASS): Reporting limit has been raised due to interference from analytes (other than those being tested) in the sample
- The full test observes the potential growth of viable plant propagules in a 21 day test period. In order to pass there should be Nil after 21 days

Quality Checked: Brian Smith

Co-ordinator, Compost and Landscape Soils testing