

SOIL CONTROL LAB



Account #: 5060167-1/1-5937
Group: Jun.15 A #25
Reporting Date: June 18, 2015

Date Received: 04 Jun. 15
Sample Identification: Mulch/ Soil Conditioner Sweet Peet (Wood/ Manure)
Sample ID #: 5060167 - 1/1

Nutrients	Dry wt.	As Rcvd.	units	Stability Indicator:	Respirometry	Biologically Available C
Total Nitrogen:	1.3	0.43	%	CO2 Evolution		
Ammonia (NH ₄ -N):	24	7.8	mg/kg	mg CO ₂ -C/g OM/day	3.2	4.2
Nitrate (NO ₃ -N):	21	6.9	mg/kg	mg CO ₂ -C/g TS/day	2.4	3.1
Org. Nitrogen (Org.-N):	1.3	0.42	%	Stability Rating	stable	moderately unstable
Phosphorus (as P ₂ O ₅):	0.78	0.25	%	Maturity Indicator: Cucumber Bioassay		
Phosphorus (P):	3400	1100	mg/kg	Compost:Vermiculite(v:v)	1:1	1:3
Potassium (as K ₂ O):	1.6	0.51	%	Emergence (%)	100	100
Potassium (K):	13000	4300	mg/kg	Seedling Vigor (%)	100	100
Calcium (Ca):	2.0	0.65	%	Description of Plants	healthy	healthy
Magnesium (Mg):	0.60	0.19	%	Pathogens		
Sulfate (SO ₄ -S):	7.3	2.4	mg/kg	Fecal Coliform	< 2.0	MPN/g
Boron (Total B):	22	7.1	mg/kg	Salmonella	< 3	MPN/4g
Moisture:	0	67.6	%	Date Tested: 04 Jun. 15		
Sodium (Na):	0.13	0.043	%	Inerts		
Chloride (Cl):	0.45	0.15	%	% by weight		
pH Value:	NA	7.84	unit	Plastic	< 0.5	
Bulk Density :	12	36	lb/cu ft	Glass	< 0.5	
Carbonates (CaCO ₃):	75	24	lb/ton	Metal	< 0.5	
Conductivity (EC5):	6.2	NA	mmhos/cm	Sharps	ND	
Organic Matter:	73.0	23.7	%	Size & Volume Distribution		
Organic Carbon:	37.0	12.0	%	MM	% by weight	% by volume
Ash:	27.0	8.8	%	> 50	0.0	0.0
C/N Ratio	28	28	ratio	25 to 50	0.0	0.0
AgIndex	6	6	ratio	16 to 25	0.0	0.0
				9.5 to 16	0.0	0.0
				6.3 to 9.5	2.8	2.4
				4.0 to 6.3	6.6	4.8
				2.0 to 4.0	20.9	22.2
				< 2.0	69.7	70.6
				Bulk Density Description:<.35 Light Materials, .35-.60 medium weight materials, >.60 Heavy Materials		

Metals	Dry wt.	EPA Limit	units
Aluminum (Al):	800	-	mg/kg
Arsenic (As):	2.3	41	mg/kg
Cadmium (Cd):	< 1.0	39	mg/kg
Chromium (Cr):	8.8	1200	mg/kg
Cobalt (Co)	1.6	-	mg/kg
Copper (Cu):	37	1500	mg/kg
Iron (Fe):	3000	-	mg/kg
Lead (Pb):	3.7	300	mg/kg
Manganese (Mn):	250	-	mg/kg
Mercury (Hg):	< 1.0	17	mg/kg
Molybdenum (Mo):	2.2	75	mg/kg
Nickel (Ni):	5.0	420	mg/kg
Selenium (Se):	< 1.0	36	mg/kg
Zinc (Zn):	95	2800	mg/kg

Analyst: Assaf Sadeh

*Sample was received and handled in accordance with TMECC procedures.