

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Account #: 4030097-1/1-6718
Group: Mar24B #11
Reporting Date: March 19, 2024

Athens-Clarke County Classic City Compost
5700 Lexington Road
Winterville, GA 30683
Attn: Brad Rickard

Date Received: 06 Mar. 24
Sample Identification: Compost
Sample ID #: 4030097 - 1/1

Nutrients				Stability Indicator:				
Total Nitrogen:	Dry wt. 2.5	As Rcvd. 1.7	units %	CO2 Evolution		Respirometry		
Ammonia (NH ₄ -N):	1100	740	mg/kg	mg CO ₂ -C/g OM/day		7.7		
Nitrate (NO ₃ -N):	13	8.4	mg/kg	mg CO ₂ -C/g TS/day		5.5		
Org. Nitrogen (Org.-N):	2.4	1.6	%	<i>Stability Rating</i>		<i>moderately unstable</i>		
Phosphorus (as P ₂ O ₅):	0.99	0.66	%	Maturity Indicator: Cucumber Bioassay				
Phosphorus (P):	4300	2900	mg/kg					
Potassium (as K ₂ O):	0.71	0.48	%					
Potassium (K):	5900	4000	mg/kg					
Calcium (Ca):	1.3	0.86	%					
Magnesium (Mg):	0.17	0.11	%	Compost:Vermiculite (v:v)		1:2		
Sulfate (SO ₄ -S):	240	160	mg/kg	Emergence (%)		67		
Boron (Total B):	12	8.0	mg/kg	Seedling Vigor (%)		30		
Moisture:	0	33.4	%	<i>Description of Plants</i>		<i>fungus</i>		
Sodium (Na):	0.50	0.33	%	Pathogens		Results	Units	Rating
Chloride (Cl):	0.41	0.27	%	Fecal Coliform		< 7.5	MPN/g	<i>pass</i>
pH Value:	NA	3.91	unit	Salmonella		< 3	MPN/4g	<i>pass</i>
Bulk Density:	26	39	lb/cu ft	Date Tested: 06 Mar. 24				
Carbonates (CaCO ₃):	< 0.1	< 0.1	lb/ton	Physical Contaminants**		% by dry wt		
Conductivity (EC5):	5.9	NA	mmhos/cm	Total Plastic		< 0.1		
Organic Matter:	71.0	47.3	%	Film Plastic		< 0.1		
Organic Carbon:	37.0	24.0	%	Glass		< 0.1		
Ash:	29.0	19.3	%	Metal		< 0.1		
C/N Ratio	15	15	ratio	Sharps		ND		
AgIndex	5	5	ratio	Total		< 0.5		

Metals				Size Distribution			
Aluminum (Al):	Dry wt. 8600	EPA Limit -	units mg/kg	MM	% by weight		
Arsenic (As):	1.6	41	mg/kg	> 50	0.0		
Cadmium (Cd):	< 1.0	39	mg/kg	25 to 50	0.0		
Chromium (Cr):	15	-	mg/kg	16 to 25	0.0		
Cobalt (Co):	3.1	-	mg/kg	9.5 to 16	0.0		
Copper (Cu):	23	1500	mg/kg	6.3 to 9.5	6.2		
Iron (Fe):	8600	-	mg/kg	4.0 to 6.3	11.7		
Lead (Pb):	7.5	300	mg/kg	2.0 to 4.0	16.8		
Manganese (Mn):	200	-	mg/kg	< 2.0	65.2		
Mercury (Hg):	< 1.0	17	mg/kg	**Greater than 4mm in size (Sharps greater than 2mm)			
Molybdenum (Mo):	0.92	75	mg/kg				
Nickel (Ni):	5.0	420	mg/kg				
Selenium (Se):	< 1.0	100	mg/kg				
Zinc (Zn):	82	2800	mg/kg				

Analyst: Assaf Sadeh



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