

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Account #: 4010030-1/1-12361
Group: Jan24A #16
Reporting Date: January 17, 2024

Windham Solid Waste Management District
327 Old Ferry Road
Battleboro, VT 5301
Attn: Bob Spencer

Date Received: 03 Jan. 24
Sample Identification: Compost #1 - Compost Package
Sample ID #: 4010030 - 1/1

Nutrients				Stability Indicator:			
	Dry wt.	As Rcvd.	units	CO2 Evolution		Respirometry	
Total Nitrogen:	0.98	0.43	%	mg CO ₂ -C/g OM/day		2.6	
Ammonia (NH ₄ -N):	270	120	mg/kg	mg CO ₂ -C/g TS/day		1.0	
Nitrate (NO ₃ -N):	32	14	mg/kg	<i>Stability Rating</i>		<i>stable</i>	
Org. Nitrogen (Org.-N):	0.95	0.42	%	Maturity Indicator: Cucumber Bioassay			
Phosphorus (as P ₂ O ₅):	0.44	0.20	%	Compost:Vermiculite (v:v)		1:2	
Phosphorus (P):	1900	850	mg/kg	Emergence (%)		100	
Potassium (as K ₂ O):	0.31	0.14	%	Seedling Vigor (%)		100	
Potassium (K):	2600	1100	mg/kg	<i>Description of Plants</i>		<i>healthy</i>	
Calcium (Ca):	5.8	2.6	%	Pathogens			
Magnesium (Mg):	0.44	0.19	%	Fecal Coliform	210	MPN/g	pass
Sulfate (SO ₄ -S):	55	24	mg/kg	Salmonella	< 3	MPN/4g	pass
Boron (Total B):	13	5.9	mg/kg	Date Tested: 03 Jan. 24			
Moisture:	0	55.7	%	Physical Contaminants**			
Sodium (Na):	0.14	0.060	%			% by dry wt	
Chloride (Cl):	0.083	0.037	%	Total Plastic		< 0.1	
pH Value:	NA	8.45	unit	Film Plastic		< 0.1	
Bulk Density:	28	64	lb/cu ft	Glass		0.23	
Carbonates (CaCO ₃):	220	96	lb/ton	Metal		< 0.1	
Conductivity (EC5):	1.5	NA	mmhos/cm	Sharps		ND	
Organic Matter:	38.0	16.8	%	Total		< 0.5	
Organic Carbon:	18.0	8.1	%	Size Distribution			
Ash:	62.0	27.5	%	MM	% by weight		
C/N Ratio	19	19	ratio	> 50	0.0		
AgIndex	8	8	ratio	25 to 50	0.0		
Metals				16 to 25	0.0		
Aluminum (Al):	4700	-	mg/kg	9.5 to 16	0.9		
Arsenic (As):	2.4	41	mg/kg	6.3 to 9.5	8.6		
Cadmium (Cd):	< 1.0	39	mg/kg	4.0 to 6.3	12.4		
Chromium (Cr):	19	-	mg/kg	2.0 to 4.0	36.5		
Cobalt (Co):	4.1	-	mg/kg	< 2.0	41.6		
Copper (Cu):	22	1500	mg/kg	**Greater than 4mm in size (Sharps greater than 2mm)			
Iron (Fe):	17000	-	mg/kg				
Lead (Pb):	28	300	mg/kg				
Manganese (Mn):	310	-	mg/kg				
Mercury (Hg):	< 1.0	17	mg/kg				
Molybdenum (Mo):	< 1.0	75	mg/kg				
Nickel (Ni):	11	420	mg/kg				
Selenium (Se):	< 1.0	100	mg/kg				
Zinc (Zn):	610	2800	mg/kg				

Analyst: Assaf Sadeh



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