

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USAAccount #: 5020134-1/1-6718
Group: Feb25B #28
Reporting Date: March 2, 2025Athens-Clarke County Classic City Compost
5700 Lexington Road
Winterville, GA 30683
Attn: Brad RickardDate Received: 12 Feb. 25
Sample Identification: Food Compost
Sample ID #: 5020134 - 1/1

Nutrients	Dry wt.	As Rcvd.	units
Total Nitrogen:	2.2	1.4	%
Ammonia (NH ₄ -N):	1900	1200	mg/kg
Nitrate (NO ₃ -N):	6.2	4.0	mg/kg
Org. Nitrogen (Org.-N):	2.0	1.3	%
Phosphorus (as P ₂ O ₅):	0.86	0.55	%
Phosphorus (P):	3700	2400	mg/kg
Potassium (as K ₂ O):	0.71	0.45	%
Potassium (K):	5900	3800	mg/kg
Calcium (Ca):	1.2	0.78	%
Magnesium (Mg):	0.17	0.11	%
Sulfate (SO ₄ -S):	200	120	mg/kg
Boron (Total B):	11	7.1	mg/kg
Moisture:	0	36.1	%
Sodium (Na):	0.30	0.19	%
Chloride (Cl):	0.38	0.24	%
pH Value:	NA	4.59	unit
Bulk Density:	19	29	lb/cu ft
Carbonates (CaCO ₃):	< 0.1	< 0.1	lb/ton
Conductivity (EC5):	7.3	NA	mmhos/cm
Organic Matter:	78.6	50.3	%
Organic Carbon:	37.0	24.0	%
Ash:	21.4	13.7	%
C/N Ratio	17	17	ratio
AgIndex	6	6	ratio

Stability Indicator:

CO ₂ Evolution	Respirometry
mg CO ₂ -C/g OM/day	6.1
mg CO ₂ -C/g TS/day	4.8
Stability Rating	moderately unstable

Maturity Indicator: Cucumber Bioassay

Compost:Vermiculite (v:v)	1:2		
Emergence (%)	100		
Seedling Vigor (%)	95		
Description of Plants	healthy		
Pathogens	Results	Units	Rating
Fecal Coliform	< 7.5	MPN/g	pass
Salmonella	< 3	MPN/4g	pass
Date Tested: 12 Feb. 25			

Physical Contaminants** % by dry wt

Total Plastic	< 0.1
Film Plastic	< 0.1
Glass	< 0.1
Metal	< 0.1
Sharps	ND
Total	< 0.5

Metals	Dry wt.	EPA Limit	units
Aluminum (Al):	7100	-	mg/kg
Arsenic (As):	1.1	41	mg/kg
Cadmium (Cd):	< 1.0	39	mg/kg
Chromium (Cr):	13	-	mg/kg
Cobalt (Co)	2.3	-	mg/kg
Copper (Cu):	27	1500	mg/kg
Iron (Fe):	7700	-	mg/kg
Lead (Pb):	7.9	300	mg/kg
Manganese (Mn):	210	-	mg/kg
Mercury (Hg):	< 1.0	17	mg/kg
Molybdenum (Mo):	< 1.0	75	mg/kg
Nickel (Ni):	3.8	420	mg/kg
Selenium (Se):	< 1.0	100	mg/kg
Zinc (Zn):	88	2800	mg/kg

Size Distribution

MM	% by weight
> 50	0.0
25 to 50	0.0
16 to 25	0.0
9.5 to 16	1.5
6.3 to 9.5	11.5
4.0 to 6.3	20.5
2.0 to 4.0	17.5
< 2.0	48.9

**Greater than 4mm in size (Sharps greater than 2mm)

Analyst: Assaf Sadeh



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