

# SOIL CONTROL LAB

42 HANGAR WAY  
WATSONVILLE  
CALIFORNIA  
95076  
USA

Account #: 7030529-1/2-5937  
Group: Mar17C\_1 #36  
Reporting Date: March 30, 2017

Urban Organics  
2934 Sleepy Hollow  
Brunswick Hills, OH 44212  
Attn: Cheryl Mango

Date Received: 16 Mar. 17  
Sample Identification: Mulch/ Soil Conditioner Sample 2  
Sample ID #: 7030529 - 1/2

Nutrients	Dry wt.	As Rcvd.	units	Stability Indicator:	Respirometry	Biologically Available C
Total Nitrogen:	1.5	0.48	%	<b>CO2 Evolution</b>		
Ammonia (NH <sub>4</sub> -N):	44	14	mg/kg	mg CO <sub>2</sub> -C/g OM/day	2.2	3.1
Nitrate (NO <sub>3</sub> -N):	3.9	1.3	mg/kg	mg CO <sub>2</sub> -C/g TS/day	1.6	2.3
Org. Nitrogen (Org.-N):	1.5	0.49	%	<i>Stability Rating</i>	<i>stable</i>	<i>stable</i>
Phosphorus (as P <sub>2</sub> O <sub>5</sub> ):	0.97	0.32	%	<b>Maturity Indicator: Cucumber Bioassay</b>		
Phosphorus (P):	4300	1400	mg/kg	Compost:Vermiculite(v:v)	1:2	
Potassium (as K <sub>2</sub> O):	1.9	0.63	%	Emergence (%)	100	
Potassium (K):	16000	5200	mg/kg	Seedling Vigor (%)	117	
Calcium (Ca):	2.1	0.68	%	<i>Description of Plants</i>	<i>healthy</i>	
Magnesium (Mg):	0.65	0.21	%	<b>Pathogens</b>		
Sulfate (SO <sub>4</sub> -S):	90	30	mg/kg	Fecal Coliform	< 7.5	MPN/g
Boron (Total B):	16	5.2	mg/kg	Salmonella	< 3	MPN/4g
Moisture:	0	67.2	%	Date Tested: 16 Mar. 17		
Sodium (Na):	0.23	0.074	%	<b>Inerts</b>		
Chloride (Cl):	0.69	0.23	%	% by weight		
pH Value:	NA	8.58	unit	Plastic	< 0.5	
Bulk Density :	13	41	lb/cu ft	Glass	< 0.5	
Carbonates (CaCO <sub>3</sub> ):	77	25	lb/ton	Metal	< 0.5	
Conductivity (EC5):	5.9	NA	mmhos/cm	Sharps	ND	
Organic Matter:	75.1	24.7	%	<b>Size Distribution</b>		
Organic Carbon:	37.0	12.0	%	MM % by weight		
Ash:	24.9	8.2	%	> 50	0.0	
C/N Ratio	25	25	ratio	25 to 50	0.0	
AgIndex	5	5	ratio	16 to 25	0.0	
<b>Metals</b>				9.5 to 16		
Aluminum (Al):	1300	-	mg/kg	6.3 to 9.5	3.2	
Arsenic (As):	2.2	41	mg/kg	4.0 to 6.3	7.6	
Cadmium (Cd):	< 1.0	39	mg/kg	2.0 to 4.0	23.3	
Chromium (Cr):	4.6	1200	mg/kg	< 2.0	63.2	
Cobalt (Co)	1.8	-	mg/kg			
Copper (Cu):	32	1500	mg/kg			
Iron (Fe):	3800	-	mg/kg			
Lead (Pb):	3.2	300	mg/kg			
Manganese (Mn):	310	-	mg/kg			
Mercury (Hg):	< 1.0	17	mg/kg			
Molybdenum (Mo):	2.6	75	mg/kg			
Nickel (Ni):	4.3	420	mg/kg			
Selenium (Se):	< 1.0	36	mg/kg			
Zinc (Zn):	110	2800	mg/kg			

Analyst: Assaf Sadeh



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