

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Account #: 3070035-1/1-10216
Group: Jul23A #6
Reporting Date: July 19, 2023

California Soils, Inc.
P.O. Box 345
Westley, CA 95387
Attn: Conor Davis

Date Received: 05 Jul. 23
Sample Identification: West Valley Compost
Sample ID #: 3070035 - 1/1

Nutrients				Stability Indicator:			
	Dry wt.	As Rcvd.	units	CO2 Evolution		Respirometry	
Total Nitrogen:	1.2	0.67	%	mg CO ₂ -C/g OM/day	1.4		
Ammonia (NH ₄ -N):	< 10	< 5.5	mg/kg	mg CO ₂ -C/g TS/day	0.62		
Nitrate (NO ₃ -N):	1.7	0.94	mg/kg	<i>Stability Rating</i>		<i>very stable</i>	
Org. Nitrogen (Org.-N):	1.2	0.67	%	Maturity Indicator: Cucumber Bioassay			
Phosphorus (as P ₂ O ₅):	1.5	0.84	%	Compost:Vermiculite (v:v)	1:2		
Phosphorus (P):	6700	3700	mg/kg	Emergence (%)	93		
Potassium (as K ₂ O):	0.67	0.37	%	Seedling Vigor (%)	100		
Potassium (K):	5500	3000	mg/kg	<i>Description of Plants</i>		<i>healthy</i>	
Calcium (Ca):	4.3	2.3	%	Pathogens			
Magnesium (Mg):	0.60	0.33	%	Results	Units	Rating	
Sulfate (SO ₄ -S):	3100	1700	mg/kg	Fecal Coliform	< 7.5	MPN/g	<i>pass</i>
Boron (Total B):	46	25	mg/kg	Salmonella	< 3	MPN/4g	<i>pass</i>
Moisture:	0	45.0	%	Date Tested: 05 Jul. 23			
Sodium (Na):	0.14	0.075	%	Physical Contaminants**			
Chloride (Cl):	0.14	0.076	%			% by dry wt	
pH Value:	NA	7.62	unit	Total Plastic	< 0.1		
Bulk Density:	26	48	lb/cu ft	Film Plastic	< 0.1		
Carbonates (CaCO ₃):	51	28	lb/ton	Glass	< 0.1		
Conductivity (EC5):	5.0	NA	mmhos/cm	Metal	< 0.1		
Organic Matter:	44.9	24.7	%	Sharps	ND		
Organic Carbon:	20.0	11.0	%	Total	< 0.5		
Ash:	55.1	30.3	%	Size Distribution			
C/N Ratio	17	17	ratio	MM	% by weight		
AgIndex	> 10	> 10	ratio	> 50	0.0		
Metals				Size Distribution			
	Dry wt.	EPA Limit	units	25 to 50	0.0		
Aluminum (Al):	7200	-	mg/kg	16 to 25	0.0		
Arsenic (As):	3.7	41	mg/kg	9.5 to 16	0.0		
Cadmium (Cd):	< 1.0	39	mg/kg	6.3 to 9.5	0.0		
Chromium (Cr):	24	-	mg/kg	4.0 to 6.3	3.5		
Cobalt (Co):	5.1	-	mg/kg	2.0 to 4.0	11.3		
Copper (Cu):	150	1500	mg/kg	< 2.0	85.2		
Iron (Fe):	16000	-	mg/kg	**Greater than 4mm in size (Sharps greater than 2mm)			
Lead (Pb):	33	300	mg/kg				
Manganese (Mn):	340	-	mg/kg				
Mercury (Hg):	< 1.0	17	mg/kg				
Molybdenum (Mo):	2.0	75	mg/kg				
Nickel (Ni):	27	420	mg/kg				
Selenium (Se):	< 1.0	100	mg/kg				
Zinc (Zn):	260	2800	mg/kg				

Analyst: Assaf Sadeh



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