



**US COMPOSTING
COUNCIL**

*Seal of Testing
Assurance*

Hawaiian Earth Products, LTD.
Ron Westmoerland
91-400 Malakole Street
Kapolei
HI 96707

Date Sampled/Received: 22 May 07 / 23 May 07

Product Identification Compost
15-05-2007 H section Comp.soil conditioner

COMPOST TECHNICAL DATA SHEET

LABORATORY: Soil Control Lab; 42 Hangar Way; Watsonville, CA 95076 tel: 831.724.5422 fax: 831.724.3188			
<i>Compost Parameters</i>	<i>Reported as (units of measure)</i>	<i>Test Results</i>	<i>Test Results</i>
Plant Nutrients:	%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	Total N	0.66	1.2
Phosphorus	P ₂ O ₅	0.19	0.33
Potassium	K ₂ O	0.50	0.89
Calcium	Ca	1.7	3.1
Magnesium	Mg	0.30	0.53
Moisture Content	%, wet weight basis	44.3	
Organic Matter Content	%, dry weight basis	71.9	
pH	units	7.76	
Soluble Salts <i>(electrical conductivity EC_s)</i>	dS/m (mmhos/cm)	5.620	
Particle Size or Sieve Size	% under 9.5 mm, dw basis	97.4	
<i>Stability Indicator (respirometry)</i>		<i>Stability Rating:</i>	
CO ₂ Evolution	mg CO ₂ -C/g OM/day	2.2	Stable
	mg CO ₂ -C/g TS/day	1.6	
<i>Maturity Indicator (bioassay)</i>			
Percent Emergence	average % of control	100	
Relative Seedling Vigor	average % of control	100	
Select Pathogens	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.32(a)	Pass	<i>Fecal coliform</i>
		Pass	<i>Salmonella</i>
Trace Metals	PASS/FAIL: per US EPA Class A standard, 40 CFR § 503.13, Tables 1 and 3.	Pass	<i>As, Cd, Cr, Cu, Pb, Hg</i>
			<i>Mo, Ni, Se, Zn</i>

Participants in the US Composting Council's Seal of Testing Assurance Program have shown the commitment to test their compost products on a prescribed basis and provide this data, along with compost end use instructions, as a means to better serve the needs of their compost customers.

Laboratory Group: May.07.D Laboratory Number: 7050707122623
Analyst: Kate Kurtz www.compostlab.com

SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
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Account No.:
7050707 - 1 - 2262
Group: May.07.D No.3

Hawaiian Earth Products, LTD.
91-400 Malakole Street
Kapolei, HI 96707
Attn: Ron Westmoerland

DATE RECEIVED: 23 May 07
SAMPLE ID: 15-05-2007 H section Comp.soil conditioner
SAMPLE ID. No.: 1 7050707

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

Nutrients	Dry wt.	As Rcvd.	units	Stability Indicator:	Respirometry	Biologically Available C
Total Nitrogen:	1.2	0.66	%	CO2 Evolution		
Ammonia (NH ₄ -N):	119	66	mg/kg	mg CO ₂ -C/g OM/day	2.2	13
Nitrate (NO ₃ -N):	2.5	1.4	mg/kg	mg CO ₂ -C/g TS/day	1.6	9.1
Org. Nitrogen (Org.-N):	1.2	0.66	%	Stability Rating	stable	moderately unstable
Phosphorus (as P ₂ O ₅):	0.33	0.19	%			
Phosphorus (P):	1470	819	mg/kg	Maturity Indicator: Cucumber Bioassay		
Potassium (as K ₂ O):	0.89	0.50	%	Compost:Vermiculite(v:v)	1:1	1:3
Potassium (K):	7423	4133	mg/kg	Emergence (%)	100	100
Calcium (Ca):	3.1	1.7	%	Seedling Vigor (%)	100	100
Magnesium (Mg):	0.53	0.30	%	Description of Plants	healthy	healthy
Sulfate (SO ₄ -S):	349	194	mg/kg			
Boron (Total B):	16	9	mg/kg	Pathogens	Date Tested: 23 May 07	
Moisture:	0.0	44.3	%	Fecal Coliform	94 MPN/g	pass
Sodium (Na):	0.29	0.16	%	Salmonella	< 3 MPN/4g	pass
Chloride (Cl):	0.43	0.24	%			
pH Value:	NA	7.76	unit	Inerts	% by weight	
Bulk Density :	14	25	lb/cu ft	Plastic	< 0.5	
Carbonates (CaCO ₃):	129	72	lb/ton	Glass	< 0.5	
Conductivity (EC5):	5.620	3.129	mmhos/cm	Metal	< 0.5	
Organic Matter:	71.9	40.0	%	Sharps	ND	
Organic Carbon:	34.6	19.3	%			
Ash:	28.1	15.6	%			
C/N Ratio	29	29	ratio			
AgIndex	3	3	ratio			

Metals	Dry wt.	EPA Limit	units
Aluminium (Al)	8413	-	mg/kg
Arsenic (As):	3	41	mg/kg
Cadmium (Cd):	1	39	mg/kg
Chromium (Cr):	37	1200	mg/kg
Cobolt (Co)	10	-	mg/kg
Copper (Cu):	37	1500	mg/kg
Lead (Pb):	12	300	mg/kg
Mercury (Hg):	< 1	17	mg/kg
Molybdenum (Mo):	2	-	mg/kg
Nickel (Ni):	36	420	mg/kg
Selenium (Se):	< 1	36	mg/kg
Zinc (Zn):	88	2800	mg/kg

Size & Volume Distribution	MM	% by weight	% by volume	BD g/cc
> 50		0.0	0.0	0.00
25 to 50		0.0	0.0	0.00
16 to 25		0.0	0.0	0.00
9.5 to 16		2.6	4.3	0.13
6.3 to 9.5		7.5	11.6	0.14
4.0 to 6.3		15.8	22.1	0.15
2.0 to 4.0		16.5	24.0	0.15
< 2.0		57.4	38.0	0.32

Bulk Density Description: <.35 Light Materials, .35-.60 medium weight materials, >.60 Heavy Materials

Analyst: Kate Kurtz