



**US COMPOSTING
COUNCIL**

*Seal of Testing
Assurance*

WLSSD

Tim Lundell
2626 Courtland Street
Duluth
MN 55806

Date Sampled/Received: 11 Feb. 25 / 12 Feb. 25

Product Identification
WLSSD Garden Green AR 411-432

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	Not reported	Not reported
Moisture Content	%, wet weight basis	49.1	
Organic Matter Content	%, dry weight basis	63.7	
pH	units	8.18	
Soluble Salts <i>(electrical conductivity EC₅)</i>	dS/m (mmhos/cm)	6.0	
Particle Size or Sieve Size	maxium aggregate size, inches	0.64	
Stability Indicator (<i>respirometry</i>)		<i>Stability Rating:</i>	
CO ₂ Evolution	mg CO ₂ -C/g OM/day	1.8	Very Stable
	mg CO ₂ -C/g TS/day	1.1	
Maturity Indicator (bioassay)			
Percent Emergence	average % of control	93.3	
Relative Seedling Vigor	average % of control	75.3	
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: Feb25B Laboratory Number: 5020132-1/1

Analyst: Assaf Sadeh

www.controllabs.com



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Compost Parameters	Reported as (units of measure)	Test Results	Test Results
Plant Nutrients:	%, weight basis	%, wet weight basis	%, dry weight basis
Nitrogen	Total N	1.4	2.8
Phosphorus	P ₂ O ₅	0.66	1.3
Potassium	K ₂ O	0.71	1.4
Calcium	Ca	1.6	3.2
Magnesium	Mg	0.31	0.60
Moisture Content	%, wet weight basis	49.1	
Organic Matter Content	%, dry weight basis	63.7	
pH	units	8.18	
Soluble Salts <i>(electrical conductivity EC₅)</i>	dS/m (mmhos/cm)	6.0	
Particle Size or Sieve Size	% under 9.5 mm, dw basis	93.8	
Stability Indicator (<i>respirometry</i>)		Stability Rating:	
CO ₂ Evolution	mg CO ₂ -C/g OM/day	1.8	Very Stable
	mg CO ₂ -C/g TS/day	1.1	
Maturity Indicator (bioassay)			
Percent Emergence	average % of control	93.3	
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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>

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SOIL CONTROL LAB

42 HANGAR WAY
WATSONVILLE
CALIFORNIA
95076
USA

Account #: 5020132-1/1-2679
Group: Feb25B #27
Reporting Date: March 2, 2025

WLSSD
2626 Courtland Street
Duluth, MN 55806
Attn: Tim Lundell

Date Received: 12 Feb. 25
Sample Identification: WLSSD Garden Green AR 411-432
Sample ID #: 5020132 - 1/1

MN-Rule Form

Parameter	Units	Class I Range	Class I Pass/Fail	Your Value
*Organic Matter Content (550 deg.C) START	% dw	X	X	NA
Organic Matter Content (550 deg.C) END	% dw	X	X	63.7
Reduction of Organic Fraction	%	> 60	NA	NA
C/N Ratio (Leco CN analyzer)	Ratio	< 20:1	Pass	11:1
Respiration Rate	mg CO ₂ -C/g-C/day	< 5	Pass	3.7
NPK Ratios (as N/P ₂ O ₅ /K ₂ O)	% dw	X	X	2.8/1.3/1.4
pH	SU	X	X	8.18
Moisture Content (105 deg.C)	%	X	X	49.1
Inert Material (from > 4mm fraction) (plastic, glass, metal, sharps)	% dw	< 3	Pass	0
Soluble Salts (EC5 DW)	mmhos/cm	X	X	6.0
Germination Test (cucumber seed)	%	> 80	Pass	93.3
Screened Particle Size	% < 4mm : > 9.5mm	X	X	77:6
Contaminents				
Arsenic (As)	mg/kg dw	< 41	Pass	1.5
Cadmium (Cd)	mg/kg dw	< 39	Pass	0.60
Copper (Cu)	mg/kg dw	< 1500	Pass	31
Lead (Pb)	mg/kg dw	< 300	Pass	32
Mercury (Hg)	mg/kg dw	< 5	Pass	< 0.5
Molybdenum (Mo)	mg/kg dw	< 18	Pass	1.8
Nickel (Ni)	mg/kg dw	< 420	Pass	9.1
Selenium (Se)	mg/kg dw	< 100	Pass	0.34
Zinc (Zn)	mg/kg dw	< 2800	Pass	110
PCB's	mg/kg dw	< 6	NA	NA

X = no requirement NA=not available * = value supplied by producer
dw = calculated based on dry weight ww = calculated based on wet weight (as-received)
NOTE: Required values may change. Additional specifications may be required before product is approved for use.

Analyst: Assaf Sadeh

