

WALLACE LABORATORIES, LLC
365 Coral Circle
El Segundo, CA 90245
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January 30, 2023

Adam Rulifson, adam@PacificLandscapeSupply.com
Pacific Landscape Supply
PO Box 15809
San Luis Obispo, CA 93406

RE: Nitrified Sawdust
Received Jan. 26, 2023, Our ID No. 23-27-37

Dear Adam,

The pH is modestly acidic at 6.65.

Salinity is 1.93 millimho/cm. Chloride is 57 parts per million in the saturation extract.

Nitrate nitrogen is low. Ammoniacal nitrogen is high. Phosphorus is modest. Boron, magnesium and sulfur are moderate. Potassium, iron, manganese, zinc and copper are high.

Sodium is moderate. SAR (sodium adsorption ratio) is 2.3.

Aluminum is moderate.

The concentrations of common non-essential heavy metals are low.

Sincerely,

Garn A. Wallace, Ph. D.
GAW:n

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MEDIA REPORT

Print Date Jan. 27, 2023

Receive Date 1/24/23

Location Pacific Landscape Supply

Requester Adam Rulifson

graphic interpretation: * very low, ** low, *** moderate

ammonium bicarbonate/DTPA

**** high, ***** very high

extractable - mg/kg soil	Sample ID Number	23-27-37	
Interpretation of data	Sample Description	Nitrified Sawdust	
low medium high	elements		graphic
0 - 12 16 - 28 32 - 44	phosphorus	21.07	**
0-240 240-500 500-700	potassium	693.45	****
0- 12 12- 20 over 20	iron	137.61	*****
0 - 2 3 - 4 over 5	manganese	42.26	*****
0 - 4 4 - 6 over 6	zinc	23.38	****
0- 0.5 0.6 - 1 over 1	copper	2.00	****
0 - 1 1 - 2 over 2	boron	1.40	***
	calcium	1,790.48	****
	magnesium	205.07	***
	sodium	485.33	***
	sulfur	1,447.20	***
	molybdenum	nd	*
	nickel	0.21	*
	aluminum	3.06	***
	arsenic	0.20	*
	barium	6.73	*
	cadmium	nd	*
	chromium	nd	*
	cobalt	0.13	*
	lead	4.53	**
	lithium	0.16	*
	mercury	nd	*
	selenium	nd	*
	silver	nd	*
	strontium	5.20	*
	tin	0.15	*
	vanadium	nd	*
	Saturation Extract		
	pH value	6.65	***
	ECe (milli-mho/cm)	1.93	***
			millieq/l
good at 200 ppm	calcium	36.0	1.8
good at 25 ppm	magnesium	11.2	0.9
	sodium	60.7	2.6
good at 25 ppm	ammonium as N	132.7	9.5
good at 150 ppm	potassium	68.8	1.8
	cation sum		16.6
problems over 150 ppm	chloride	57	1.6
good at 100 ppm	nitrate as N	3.7	0.3
good at 40 ppm	phosphorus as P	0.1	0.0
toxic over 800	sulfate as S	219.6	13.7
	anion sum		15.6
toxic over 1 for many plants	boron as B	0.56	***
increasing problems start at 3	SAR	2.3	**
est. gypsum requirement-lbs/cubic yard		4	
	relative infiltrate rate	good	
	lime (calcium carbonate)	no	
	organic matter	good	
	moisture content of media	26.7%	
	half saturation percentage	363.2%	

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
 pH and ECe are measured in a saturation paste extract. nd means not detected.