



# Soil & Plant Laboratory, Inc.

Leaders in Soil & Plant Testing Since 1946

4741 E. Hunter Ave, Suite A Anaheim, CA 92807 714-282-8777 (phone) 714-282-8575 (fax)  
www.soilandplantlaboratory.com

## SOIL ANALYSIS

Send To : For Peat's Sake 4595 Granby Circle Cumming GA 30041	Project : Coir Block	Report No : <b>14-161-0017</b> Cust No : 07076 Date Printed : 06/12/2014 Date Received : 06/10/2014 Page : 1 of 1 Lab Number : 17315
--	-------------------------	---

Sample Id : **Coir**

### SATURATION EXTRACT - PLANT SUITABILITY

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Salinity (ECe)	0.7 dS/m					
Sodium Adsorption Ratio (SAR) *	2.4					
Boron (B)	0.09 ppm					
Sodium (Na)	2.8 meq/L					
Chloride (Cl)	4.2 meq/L					
Carbonate (CO3)						
Bicarbonate (HCO3)						
Fluoride (F)						

\* Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

Test	Result	Strongly Acidic	Moderately Acidic	Slightly Acidic	Neutral	Slightly Alkaline	Moderately Alkaline	Strongly Alkaline	Qualitative Lime
pH	6.8 s.u.								None

### EXTRACTABLE NUTRIENTS

Test	Result	Sufficiency Factor	SOIL TEST RATINGS					NO3-N
			Very Low	Low	Medium	Optimum	Very High	
Available-N	22 ppm	0						12 ppm
Phosphorus (P) - Olsen	16 ppm	0.1						NH4-N
Potassium (K)	210 ppm	0.2						10 ppm
Potassium - sat. ext.	0.4 meq/L							Total Exchangeable Cations(TEC)
Calcium (Ca)	4824 ppm	0.9						308 meq/kg
Calcium - sat. ext.	1.7 meq/L							
Magnesium (Mg)	805 ppm	1.0						
Magnesium - sat. ext.	1.0 meq/L							
Copper (Cu)	5.2 ppm	1.3						
Zinc (Zn)	7 ppm	0.4						
Manganese (Mn)	12 ppm	0.4						
Iron (Fe)	14 ppm	0.1						
Boron (B) - sat. ext.	0.09 ppm	0.3						
Sulfate - sat. ext.	2.2 meq/L	0.7						
Exch Aluminum								

Cu, Zn, Mn and Fe were analyzed by DTPA extract.

### PARTICLE SIZE ANALYSIS

Half Sat	Organic Matter	Weight Percent of Sample Passing 2mm Screen							USDA Soil Classification
		Gravel		Sand			Silt	Clay	
		Coarse 5-12	Fine 2-5	Very Coarse 1-2	Coarse 0.5-1	Med. to Very Fine 0.05-0.5	.002-.05	0-.002	
245 %									

Graphical interpretation is a general guide. Optimum levels will vary by crop and objectives.