





SOIL ANALYSIS


Send To: Lyngso Garden Material 345 Shoreway Road San Carlos, CA 94070	Project : Potting Mix (PM)	Report No : 20-245-0016 Cust No : 00222 Date Printed : 09/08/2020 Date Received : 09/01/2020 Page : 1 of 1 Lab Number : 17975
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Sample Id : **Potting Mix (PM)**











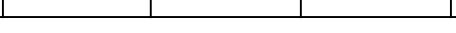
SATURATION EXTRACT - PLANT SUITABILITY

Test	Result	Effect on Plant Growth				
		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive
Salinity (ECe)	2.1 dS/m					
Sodium Adsorption Ratio (SAR) *	2.81					
Boron (B)	0.55 ppm					
Sodium (Na)	6.6 meq/L					
Chloride (Cl)						
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	7.0 s.u.								None

EXTRACTABLE NUTRIENTS

Test	Result	Sufficiency Factor	SOIL TEST RATINGS					NO3-N
			Very Low	Low	Medium	Optimum	Very High	
Available-N	36 ppm	0.5						15 ppm
Phosphorus (P) - Olsen	52 ppm	1.1						NH4-N
Potassium (K)	845 ppm	4.1						
Potassium - sat. ext.	9.0 meq/L							21 ppm
Calcium (Ca)	998 ppm	0.6						Total Exchangeable Cations(TEC)
Calcium - sat. ext.	5.8 meq/L							
Magnesium (Mg)	408 ppm	1.8						95 meq/kg
Magnesium - sat. ext.	5.2 meq/L							
Copper (Cu)	0.9 ppm	0.7						
Zinc (Zn)	7 ppm	1.5						
Manganese (Mn)	35 ppm	3.3						
Iron (Fe)	33 ppm	0.7						
Boron (B) - sat. ext.	0.55 ppm	1.8						
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	
38 %	19.8 %								