

SOIL ANALYSIS

Send To: Greenwaste-Zanker Landscape Materials 675 Los Esteros Road San Jose, CA 95134	Project : Bio Soil	Report No : 26-044-0024 Cust No : 01002 Date Printed : 02/18/2026 Date Received : 02/13/2026 Page : 1 of 1 Lab Number : 24052
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Sample Id : **Bio Soil**

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)	5.9 dS/m	[Bar chart showing Salinity in the 'Many Crops Restricted' range]				
Sodium Adsorption Ratio (SAR) *	6.04	[Bar chart showing SAR in the 'Sensitive Crops Restricted' range]				
Boron (B)	2.06 ppm	[Bar chart showing Boron in the 'Many Crops Restricted' range]				
Sodium (Na)	16.8 meq/L	[Bar chart showing Sodium in the 'Many Crops Restricted' range]				
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	7.6 s.u.	[Bar chart showing pH in the 'Neutral' range]								Low

EXTRACTABLE NUTRIENTS

Test	Result	Sufficiency Factor	SOIL TEST RATINGS					NO3-N
			Very Low	Low	Medium	Optimum	Very High	
Available-N	62 ppm	1.0	[Bar chart showing Available-N in the 'Optimum' range]					58 ppm
Phosphorus (P) - Olsen	116 ppm	3.0	[Bar chart showing Phosphorus in the 'Very High' range]					NH4-N
Potassium (K)	2320 ppm	6.8	[Bar chart showing Potassium in the 'Very High' range]					
Potassium - sat. ext.	26.8 meq/L						4 ppm	
Calcium (Ca)	2940 ppm	0.7	[Bar chart showing Calcium in the 'Low' range]					
Calcium - sat. ext.	7.5 meq/L						Total Exchangeable Cations(TEC)	
Magnesium (Mg)	917 ppm	1.5	[Bar chart showing Magnesium in the 'Optimum' range]					
Magnesium - sat. ext.	8.0 meq/L						277 meq/kg	
Copper (Cu)	1.7 ppm	0.5	[Bar chart showing Copper in the 'Low' range]					
Zinc (Zn)	8.8 ppm	0.6	[Bar chart showing Zinc in the 'Low' range]					
Manganese (Mn)	7 ppm	0.2	[Bar chart showing Manganese in the 'Low' range]					
Iron (Fe)	47 ppm	0.3	[Bar chart showing Iron in the 'Low' range]					
Boron (B) - sat. ext.	2.06 ppm	6.9	[Bar chart showing Boron in the 'Very High' range]					
Sulfate - sat. ext.	2.6 meq/L	0.9	[Bar chart showing Sulfate in the 'Low' range]					
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	
32 %	21.9 %								

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