

Soil Report

Job Name: **Logan Labs**

Date: 3/22/2021

Company: **Logan Labs 888-494-7645**

Submitted By:

<i>Sample Location</i>	Yard				
<i>Sample ID</i>					
<i>Lab Number</i>	30				
<i>Sample Depth in inches</i>	6				
<i>Total Exchange Capacity (M. E.)</i>	20.20				
<i>pH of Soil Sample</i>	7.8				
<i>Organic Matter, Percent</i>	4.90				
ANIONS	SULFUR: p.p.m.	11			
	Mehlich III Phosphorous: ppm	16			
EXCHANGEABLE CATIONS	CALCIUM: ppm Desired Value Value Found Deficit	2747 2985			
	MAGNESIUM: ppm Desired Value Value Found Deficit	290 488			
	POTASSIUM: ppm Desired Value Value Found Deficit	315 153 -162			
	SODIUM: ppm	20			
BASE SATURATION %	Calcium (60 to 70%)	73.87			
	Magnesium (10 to 20%)	20.15			
	Potassium (2 to 5%)	1.94			
	Sodium (.5 to 3%)	0.42			
	Other Bases (Variable)	3.62			
	Exchangeable Hydrogen (10 to 15%)	0.00			
TRACE ELEMENTS	Boron (p.p.m.)	0.7			
	Iron (p.p.m.)	224			
	Manganese (p.p.m.)	48			
	Copper (p.p.m.)	3.49			
	Zinc (p.p.m.)	1.72			
	Aluminum (p.p.m.)	617			
OTHER	Ammonium (p.p.m.)	1.9			
	Nitrate (p.p.m.)	1.8			

Saturated Paste Report

Job Name **Logan Labs**

Date **3/22/2021**

Company **Logan Labs 888-494-7645**

Submitted By

Sample Location			Yard				
Sample ID							
Lab Number			160283				
Water Used			DI				
pH			7.8				
Soluble Salts		ppm	65				
Chloride (Cl)		ppm	11				
Bicarbonate (HCO ₃)		ppm	78				
ANIONS	SULFUR	ppm	0.8				
	PHOSPHORUS	ppm	0.03				
SOLUBLE CATIONS	CALCIUM	ppm	10.02				
		meq/l	0.50				
	MAGNESIUM	ppm	5.16				
		meq/l	0.43				
	POTASSIUM:	ppm	1.20				
		meq/l	0.03				
	SODIUM	ppm	1.42				
		meq/l	0.06				
PERCENT	Calcium		48.95				
	Magnesium		42.00				
	Potassium		3.05				
	Sodium		6.01				
TRACE ELEMENTS	Boron (p.p.m.)		0.03				
	Iron (p.p.m.)		0.59				
	Manganese (p.p.m.)		< 0.02				
	Copper (p.p.m.)		< 0.02				
	Zinc (p.p.m.)		< 0.02				
	Aluminum (p.p.m.)		0.44				
OTHER							