



# Analytical Report

**Client:** Smith Nursery  
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**Lab ID.:** 108002-1  
**Date Sampled:** 26 Apr 2013  
**Date Received:** 03 May 2013  
**Date Completed:** 05 May 2013

**Sample Description:** South Field  
**Sample Range:** Soil

## EMS-200 : Complete analysis for soils (Mehlich-III/ H2O extraction)

Components	Results		Range			Interperative Guide
	ppm	cmols	low	medium	high	
<b>MACRO NUTRIENTS (ppm)</b>						
Nitrate Nitrogen	NO3-N	5.40		▽		8 - 100
Ammonium Nitrogen	NH4-N	ND		▽		5 - 35
Phosphorus	P	89.88			△	30 - 75
Potassium	K	94.74	0.24	▽		170 - 430
Calcium	Ca	1,281.44	6.41		○	800 - 2,000
Magnesium	Mg	199.57	1.66		○	100 - 300
Sulfate Sulfur	SO4-S	14.72				
<b>MICRO NUTRIENTS (ppm)</b>						
Sodium	Na	9.77	0.04		○	1 - 60
Iron	Fe	93.74			△	5 - 50
Manganese	Mn	9.57			○	8 - 50
Boron	B	1.36			△	0.50 - 1
Copper	Cu	0.86		▽		1 - 12
Zinc	Zn	10.46			○	3 - 20
Molybdenum	Mo	0.14		▽		0.20 - 50
Aluminum	Al	217.14				
<b>PH &amp; EC</b>						
pH	pH	6.41				
Soluble Salts	EC	0.17				
CEC			8.35			
<b>Base Saturations (%)</b>		<b>Ratios</b>				
Potassium	K	2.91	Ca / Mg		3.86	
Calcium	Ca	76.73	Ca / K		26.38	
Magnesium	Mg	19.85	Mg / K		6.82	
Sodium	Na	0.50	(Ca+Mg)/K		33.20	

