



Laboratory Analysis Report

PEAT-BASED LLC

Project: Potassium Humate
 Date Received: 9/29/2020
 Date Reported: 10/13/2020

PO Number: Paid

Lab Number: 933982-1
 Sample ID: Potassium Humate
 Description:

Humic/Fulvic Acids: ISO Method

Test	Method	Result	Units	Levels
Humic Acid	ISO 19822*	49.15	%	
Hydrophobic Fulvic Acid Fraction	ISO 19822*	10.46	%	

*HPTA approved method

Humic Acid (CDFA)

Test	Method	Result	Units	Levels
Humic Acid	CDFa	67.19	%	

Fertilizer

Test	Method	Result	Units	Levels
Acid Solubility	5 % HCl	42.9	%	
Water Solubility	Water	95.4	%	
Moisture	ASTM D 2974-87	8.6	%	
Organic Matter (Total)	ASTM D 2974-87	61.4	%	
Cation Exchange Capacity, CEC	9081	161	meq/100g	

Fertilizer Complete Analysis

Test	Method	Result	Units	Levels
Total Nitrogen, N	AOAC 993.13	2.1	%	
Phosphorus, P ₂ O ₅	AOAC 2015.18	0.15	%	
Potassium, K ₂ O	AOAC 2015.18	16	%	
Calcium, Ca	AOAC 965.09ICP	1.3	%	
Magnesium, Mg	AOAC 965.09ICP	0.24	%	
Sodium, Na	AOAC 965.09ICP	0.25	%	
Sulfur, S	AOAC 2006.03	0.52	%	
Iron, Fe	AOAC 965.09ICP	1.2	%	
Zinc, Zn	AOAC 965.09ICP	0.01	%	
Manganese, Mn	AOAC 965.09ICP	0.05	%	
Copper, Cu	AOAC 965.09ICP	0.01	%	
Boron, B	AOAC 982.01ICP	0.004	%	