

National Chung-Hsing University Soil Survey and Testing Center Analysis Report

Sample source : Biotechnology Center

Report number : 107S0835

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Sample kind : Soil

Sample name : Rice field soil

Received date : Dec. 27, 2018

Date of Report : Jan. 10, 2019

Item	Value	Method
Organic Matter, OM (%)	1.47	Modified from Total Carbon, Organic Carbon, and Organic Matter. "Method of soil analysis, Part3. Chemical Methods"
Soil Texture	Loam	
Sand Separate, (%)	50.3	Modified from Particle size analysis, "method of soil analysis, Part1, 3rd edition" p381-411.(SSTC-2-16-24)
Silt Separate, (%)	32.3	
Clay Separate, (%)	17.4	
pH	5.86	NIEA S410.62C
Ammonium Nitrogen, $\text{NH}_4^+\text{-N}(\%)$	4.00	Kjeldahl Nitrogen
Available Phosphorous, P (mg/kg)	57.5	Bray-1
Exchangeable Calcium, Ca (mg/kg)	646	Ammonium Acetate Extraction
Exchangeable Potassium, K (mg/kg)	23.1	Ammonium Acetate Extraction
Exchangeable Magnesium, Mg (mg/kg)	129	Ammonium Acetate Extraction
Exchangeable Sodium, Na (mg/kg)	55.7	Ammonium Acetate Extraction
Sulfate, SO_4^{2-} (mg/kg)	119	Ion Chromatography
Available Boron, B (mg/kg)	0.142	
Cadmium, Cd (mg/kg)	0.039	0.1N HCl Extraction
Copper, Cu (mg/kg)	4.07	0.1N HCl Extraction
Zinc, Zn (mg/kg)	2.78	0.1N HCl Extraction
Available Iron, Fe (mg/kg)	1067	0.1N HCl Extraction
Available Manganese, Mn (mg/kg)	9.44	0.1N HCl Extraction

Note : The analyzed samples will not be returned unless an agreement is received prior to sample analyses. The listed values are valid only for the samples received by us. The reported values are for reference only, not for legal purposes. We only issue the original report. Please contact us within two weeks if there are any questions in this report.



Director :

[Signature]
2019/01/15