



Department of Agriculture  
Regional Field Office III  
Government Center Barangay Maimpis,  
City of San Fernando, Pampanga

April 11, 2024

***Guidelines for Laboratory Fees for the Regional Soils Laboratory 3- (RSL 3)  
of the Integrated Laboratories Division (ILD)***

**A. National Issuances Supporting the Imposition of Fees in Government Services.**

**1. Sec. 54, Chapter 12, Book IV of Executive Order No. 292 (Administrative Code of 1987)** where heads of bureaus, offices or agencies, may upon approval of the department head, charge and collect the cost of the services rendered by the bureau, office or agency concerned;

**2. Republic Act No. 8435**, An Act Prescribing Urgent Related Measures to Modernize the Agriculture and Fisheries Sectors of the country in order to enhance their profitability, and prepare said Sectors for the Challenges of the Globalization through an Adequate Focused and Rational Delivery of Necessary Support Services, Appropriating Funds therefore and for other purposes;

**3. Administrative Order No. 31 series of 2012 by the President of the Philippines re:** "Directing and Authorizing all Heads of Departments, Bureaus, Commissions, Agencies, Offices and Instrumentalities of the National Government, Including Government-Owned and/or Controlled Corporations (GOCCS) to rationalize the Rates of their Fees and Charges, Increase their Existing Rates and Impose New Fees and Charges";

**4. D.O No. 10 series 2018** entitled Establishing the Institutional Linked and Coordination between the National Laboratories of the Bureau of Animal Industry, Plant Industry, and Soil and Water Management and the Integrated Laboratory of the Regional Field Offices, Section III Rule No. 3.a conform to the laboratory policies, protocols and standards developed and prescribed by the National Laboratories.





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## B. Laboratory Fees

<b>SOIL</b>		
<b>CHEMICAL DETERMINATION</b>	<b>TEST METHOD</b>	<b>COST (PhP)</b>
<b>Fertility Parameters</b>		
pH	Potentiometric	100
Available Phosphorus (P), ppm	Olsen, UV-Vis Bray 1, UV-Vis	250
Exchangeable Potassium (K), cmol/mg	Ammonium Acetate, pH 7 – AES	160
Organic Carbon (OC)/ Organic Matter (OM), %	Walkley and Black Colorimetric	250
<b>Specialized Parameter</b>		
Total Nitrogen (N), %	Kjeldahl	250
Exchangeable Calcium (Ca), cmol/kg	Ammonium Acetate, pH 7 – AAS/AES	160
Exchangeable Magnesium (Mg), cmol/kg		160
Exchangeable Sodium (Na), cmol/kg		160
Cation Exchange Capacity (CEC Direct), cmol/kg		300
Copper (Cu), ppm	DTPA-TEA Extraction – AAS	160
Iron (Fe), ppm		160
Manganese (Mn) ppm		160
Zinc (Zn), ppm		160
Moisture Content (MC), %	Gravimetric	160
Cadmium (Cd), ppm	Microwave Digestion – Inductively Coupled Plasma -OES	500
Chromium (Cr), ppm		500
Lead (Pb), ppm		500
Nickel (Ni), ppm		500
Arsenic (As), ppm		500
Mercury (Hg), ppm		500

<b>Salinity/Alkalinity Determination</b>		
pH	Potentiometric	100
Electrical Conductivity (EC), mS/cm	Potentiometric	160
Calcium (Ca), ppm	AAS/AES	250
Magnesium (Mg), ppm		250
Sodium (Na), ppm		250
Potassium (K), ppm		250
Chloride (Cl), ppm	Titrimetric	250



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Sulfate (SO <sub>4</sub> ), ppm	Turbidimetric	250
Carbonate, ppm	Titrimetric	250
Bicarbonate, ppm		250

**Physical Determination**

Texture	Feel Method	30
Particle Size Analysis	Bouyoucos Hydrometer	300

**Rapid Soil Test**

pH	Soil Test Kit (STK) (Qualitative)	130
Nitrogen (N)		
Phosphorus (P)		
Potassium(K)		
Texture	Feel Method	
Soil Test Kit Refill		300

FERTILIZER		
CHEMICAL DETERMINATION	TEST METHOD	COST (PhP)
pH	Potentiometric	100
Total Nitrogen (N), %	Kjeldahl/Dumas	300
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> ), %	Vanadomolybdophosphoric Acid	300
Total Potassium (K <sub>2</sub> O), %	Flame Atomic Emission Spectroscopy	250
Organic Carbon (OC)/Organic Matter (OM), %	Walkley and Black Titrimetric	250
Sulfur (S), % <i>(for inorganic fertilizer samples only)</i>	Gravimetric	300
Total Calcium (CaO), %	Flame Atomic Absorption Spectroscopy	250
Total Magnesium (MgO), %		250
Sodium (Na), ppm	Flame Atomic Emission Spectroscopy	250
Moisture Content, %	Gravimetric	100
Copper (Cu), ppm	Flame Atomic Absorption Spectroscopy	160
Iron (Fe), ppm		160
Manganese (Mn), ppm		160
Zinc (Zn), ppm		160
Arsenic (As), ppm		500
Cadmium (Cd), ppm	Microwave Digestion – Inductively Coupled Plasma Optical Emission Spectroscopy	500
Chromium (Cr), ppm		500
Mercury (Hg), ppm		500
Nickel (Ni), ppm		500
Lead (Pb), ppm		500



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PLANT TISSUE		
CHEMICAL DETERMINATION	TEST METHOD	COST (PhP)
Total Nitrogen (N), %	Kjeldahl	300
Total Phosphorus (P), %	Vanadomolybdophosphoric Acid	300
Total Potassium (K), %	Flame Atomic Emission Spectroscopy	250
Total Calcium (Ca), %	Flame Atomic Absorption Spectroscopy	250
Total Magnesium (Mg), %	Flame Atomic Absorption Spectroscopy	250
Sodium (Na), ppm	Flame Atomic Emission Spectroscopy	250
Copper (Cu), ppm	Flame Atomic Absorption Spectroscopy	160
Iron (Fe), ppm		160
Manganese (Mn), ppm		160
Zinc (Zn), ppm		160
Arsenic (As), ppm		500
Cadmium (Cd), ppm		500
Chromium (Cr), ppm		500
Mercury (Hg), ppm	Microwave Digestion - Inductively Coupled Plasma Optical Emission Spectroscopy	500
Nickel (Ni), ppm		500
Lead (Pb), ppm		500

WATER		
CHEMICAL DETERMINATION	TEST METHOD	COST (PhP)
<b>Irrigation Suitability</b>		
pH	Potentiometric	100
Electrical Conductivity, mS/cm	Potentiometric	160
Dissolved Potassium (K), ppm	Flame Atomic Emission Spectroscopy	160
Dissolved Sodium (Na), ppm		160
Dissolved Calcium (Ca), ppm	Flame Atomic Absorption Spectroscopy	160
Dissolved Magnesium (Mg), ppm		160
Carbonate (CO <sub>3</sub> ), ppm	Titrimetric	160
Bicarbonate (HCO <sub>3</sub> ), ppm		160
Chloride (Cl), ppm	Titrimetric (Argentometric)	160
Sulfate (SO <sub>4</sub> ), ppm	Turbidimetric	160

<b>Heavy Metal Analysis</b>		
Arsenic (As), ppm	Microwave Digestion - Inductively Coupled Plasma Optical Emission Spectroscopy	500
Cadmium (Cd), ppm		500
Chromium (Cr), ppm		500
Lead (Pb), ppm		500



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Mercury (Hg), ppm		500
Nickel (Ni), ppm		500
<b>Other Parameters</b>		
Nitrogen (Ammonia+Nitrate), ppm	Devarda Alloy – Steam Distillation	160
Nitrate Nitrogen (NO <sub>3</sub> -N), ppm	UV-Vis Screening	300
	Nitro-Brucine	300
Dissolved Phosphorus (P), ppm	Vanadomolybdophosphoric Acid	160
Dissolved Copper (Cu), ppm	Flame Atomic Absorption Spectroscopy	160
Dissolved Iron (Fe), ppm		160
Dissolved Manganese (Mn), ppm		160
Dissolved Zinc (Zn), ppm		160

Note: Laboratory fees are aligned with the laboratory fees of the Bureau of Soils and Water Management (BSWM)– Laboratory Services Division (LSD)

**C. Guidelines for Laboratory Fees**

NO.	CLIENT	LABORATORY FEES
1	Students (Undergraduate and Graduate Research/Thesis)	50% discount
2	DA-RFO III: Research Division/Stations Regulatory Division samples for GAP/GAHP Rice, Corn, HVCD Programs-Procured fertilizers OAP- Organic soil amendments Other Programs (SAAD, AMIA, 4K)	Free
3	Bureau of Soils and Water Management and other DA-Regional Field Offices	Free
4	DA-Local Government Units for Soil Mapping and Soil, Fertilizer and Water Monitoring	Free
5	Accredited Farmers and Farmer Associations/Cooperatives	Free
6	Private Companies	Full payment
7	Private Farm Owners	Full payment
8	All other walk-in clients not covered under 1 to 7	Full payment

Note: Nos. 1 and 3 must write a Request Letter addressed to the Regional Executive Director



BAGONG PILIPINAS




DA sa Gitnang Luzon,  
Katuwang sa Pag-Ahon

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