

LSD Quality Policy Statement

"We, at LSD, commit to:

- ♦ *provide timely, reliable, and high quality services that satisfy customer's needs and expectations;*
- ♦ *comply with ISO/IEC 17025:2017;*
- ♦ *conform with the applicable legal and statutory requirements;*
- ♦ *practice confidentiality and impartiality while applying the LSD policies and procedures in our work; and,*
- ♦ *continually improve our competence, Management System and laboratory services".*

Step-by-Step Procedure

STEP	APPLICANT/CUSTOMER/ (LABORATORY STAFF)	DURATION*	PERSON IN-CHARGE
1	Submit the sample	5 minutes	LSD Staff
2	Read and fill-out forms: Request Form Customer's Contract	10 minutes	LSD Staff
3	(Recording and coding of samples)	10 minutes	LSD Staff
4	For payment: Present the Order of Payment to the Cashier	5 minutes	PCA Cashier
5	Give one copy of the Claim Stub to LSD	5-10 minutes	LSD Staff
6	(Testing of samples)	Sample Prep. 2 working days Chemical Analysis: Plant/Leaf 8days Soil/Soil Conditioners 8 days Fertilizers 10 days Water 4 days Coco Peat 10 days VCO/CME 8 days	LSD Staff/ Laboratory Aide Sr. Science Res. Specialist Science Res. Specialist
7	(Data Processing)	20 minutes	Science Res. Specialist Sr. Science Res. Specialist
8	Present Claim Stub (upon Releasing of Test Report)	5 minutes	LSD Staff
END OF TRANSACTION			

* For 1 sample under normal condition

FEES—Refer to the Schedule of PCA Laboratory Analysis Fees
(AO No.02, s. 2012)

PSAL Major Equipment



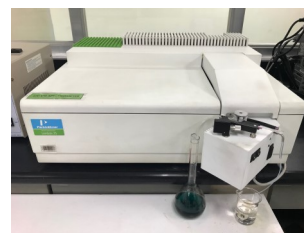
Inductively Coupled Plasma—Optical Emission Spectrometer (ICP-OES)



Atomic Absorption Spectrophotometer (AAS)



Flame Photometer



UV-Vis Spectrophotometer



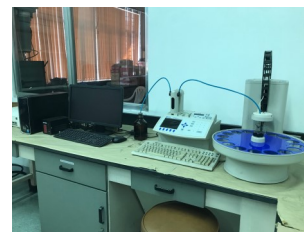
Kjeldahl Digester



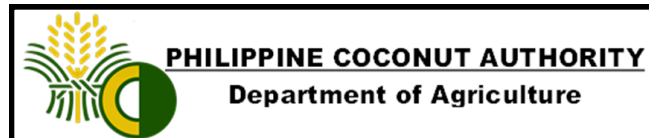
Microwave Digester



Nitrogen Analyzer
(Combustion Method)



Potentiometric Titrator



Plant and Soil Analysis Laboratory

Laboratory Services Division
Research and Development Branch

**ISO/IEC 17025:2017
PAB ACCREDITED
TESTING LABORATORY**

Laboratory Analysis Fees and
Sample Requirement Information



Contact Details:

Phone: (632) 8928-45-01 to 09 loc. 525 or 532

Email address: lsd@pca.gov.ph

Laboratory Analysis Fees

ISO/IEC 17025:2017 Accredited Parameters
(FOR AGRICULTURAL SOIL)

PARAMETERS	RATE (PhP)
1. Potassium	400
2. Sodium	400
3. Calcium	600
4. Magnesium	600

A. Plant/Fertilizer and other Agro/Bio-related Samples

PARAMETERS	RATE (PhP)
1. Nitrogen, Total	600
2. Phosphorus, Total	500
3. Potassium, Total	500
4. Calcium, Total	600
5. Magnesium, Total	600
6. Sodium, Total	500
7. Sulfur, Total	500
8. Chlorine, Acid Soluble	800
9. Boron, Total	800
10. Iron, Total	700/900
11. Manganese, Total	700/900
12. Zinc, Total	700/900
13. Copper, Total	700/900
14. Molybdenum	900
15. Lead	900
16. Cadmium	1,000
17. Nickel	1,000
18. Aluminum	1,000
19. Chromium	1,000
20. Selenium	1,000
21. Arsenic	900
22. Cobalt	1,000
23. Mercury	1,000
24. Crude Silica	400
25. Moisture	400
26. Ash	400
27. Organic Carbon	300
28. Organic Matter	300
29. pH	200
30. Electrical Conductivity	200

B. Coconut Methyl Ester (CME/Biodiesel)

PARAMETER	RATE (PhP)
1. Phosphorus	1,000

C. Soil/Soil Conditioners

PARAMETERS	RATE (PhP)
1. Nitrogen, Total	600
2. Phosphorus, Available	400
3. Exchangeable Bases	
— Potassium	400
— Sodium	400
— Calcium	600
— Magnesium	600
4. Organic Carbon	300
5. Organic Matter	300
6. Exchangeable Acidity	300
7. Trace Elements, Available	
— Iron	500
— Copper	500
— Manganese	500
— Zinc	500
8. Boron, Water Soluble	500
9. Sulfur, Soluble	500
10. Aluminum, Extractable	1,000
11. Other Heavy/Toxic Metals & Non-metals	1,000/ea.
12. Electrical Conductivity	200
13. pH	200
14. Moisture	400

D. Water/Waste Water

PARAMETERS	RATE (PhP)
1. Nitrogen, Total	400
2. Phosphorus, Total	400
3. Potassium, Total	400
4. Calcium, Total	500
5. Magnesium, Total	500
6. Sodium, Total	400
7. Sulfur, Total	400
8. Chlorine	500
9. Trace elements	
• Boron	500
• Iron	500/900
• Manganese	500/900
• Zinc	500/900
• Copper	500/900
• Molybdenum	900
• Lead	1,000
• Cadmium	1,000
10. Other Heavy/Toxic Metals & Non-Metals	1,000/ea.
11. Electrical Conductivity	200
12. pH	200

E. Virgin Coconut Oil

PARAMETERS	RATE (PhP)
1. Arsenic	900
2. Lead	900
3. Iron	900
4. Copper	900
5. Moisture	400

Plant and Soil Analysis Laboratory

INFORMATION	
Schedule of Availability of Services:	Monday-Friday 8:00 AM—5:00 PM Without noon break
Who may avail of the Service:	PCA internal clients Government institutions Academe Private Sector
What are the Requirements:	Request for Analysis Sample Size: Leaf/Plant Tissue and other Agro/Bio-related samples — 20g (dried); 200g (fresh) Soil—500g (air-dried); 1Kg (wet) Fertilizer—500mL (liquid); 500g (solid) Coco peat—1Kg Water—1 Liter Coconut Methyl Ester — 500 mL Virgin Coconut Oil—500 mL Coconut Sap Sugar—500 g
Duration: (under normal condition)	10-15 working days 20-25 working days (for heavy metals)