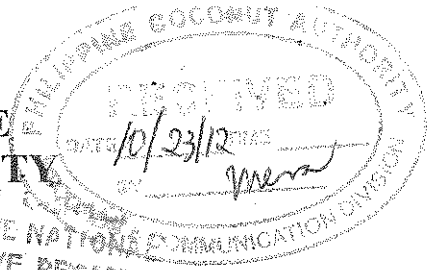
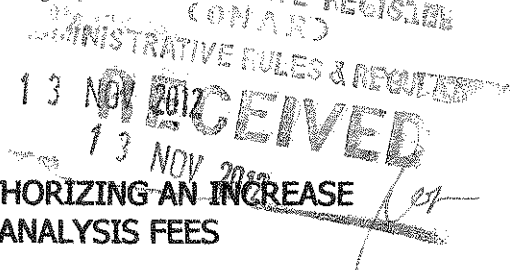


REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
PHILIPPINE COCONUT AUTHORITY

Elliptical Road, Diliman, Quezon City Tel. No.: 928-4501 to 09
 P.O. Box 3386, Manila, TIN # 000724616
 http://www.pca.da.gov.ph



ADMINISTRATIVE ORDER NO. 02
 Series of 2012



**RULES AND REGULATIONS AUTHORIZING AN INCREASE
 IN PCA LABORATORY ANALYSIS FEES**

WHEREAS, Section 54 (1), Chapter 12, Book IV of Administrative Code of 1987 (Executive Order No. 292) gives the heads of bureaus, offices or agencies, upon approval of the concerned department head, the continuing authority to revise their rates of fees and charges. Government owned and controlled corporations likewise exercise the same authority pursuant to their respective charters;

WHEREAS, Executive Order No. 157, Series of 2000 directed all departments, bureaus, offices, agencies and units, including government-owned or controlled corporations to review and upgrade their rates of fees and charges by not less than twenty percent (20%) for it is only proper that the persons receiving the services for which the fees and charges are imposed should be made to share the burden of the expenses incurred by the government;

WHEREAS, corollary thereto, there is a need to meet the rising costs of chemicals, laboratory supplies and maintenance of laboratory equipment of the Authority;

NOW, THEREFORE, foregoing premises considered, the following revised fees are hereby adopted and prescribed pursuant to PCA Board Resolution Nos. 007-2011, 022-2011 and 003-2012 authorizing the implementation of the appropriate increase in fees and charges.

Section 1. **NEW RATES OF FEES.** Upon effectivity of these rules, the following revised schedule of rates herein prescribed shall be collected by the Authority.

SCHEDULE OF FEES FOR LABORATORY SERVICES*

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

		New rate
1. Nitrogen, Total (Automated Colorimetric)	P	600.00
2. Phosphorus, Total (Automated Colorimetric)		500.00
3. Potassium, Total (Flame Photometric)		500.00
4. Calcium, Total (AAS) ¹		600.00
5. Magnesium, Total (AAS)		600.00

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6. Sodium, Total (Flame Photometric)	500.00
7. Sulfur, Total (Automated Turbidimetric)	500.00
8. Chlorine, Acid Soluble (Potentiometric)	800.00
9. Boron, Total (Automated Colorimetric)	800.00
10. Iron, Total (AAS)	700.00
11. Iron, Total (ICP-AES) ²	900.00
12. Manganese, Total (AAS)	700.00
13. Manganese, Total (ICP-AES)	900.00
14. Zinc, Total (AAS)	700.00
15. Zinc, Total (ICP-AES)	900.00
16. Copper, Total (AAS)	700.00
17. Copper, Total (ICP-AES)	900.00
18. Molybdenum (ICP-AES)	900.00
19. Lead (ICP-AES)	900.00
20. Lead (AAS)	700.00
21. Cadmium (ICP-AES)	1,000.00
22. Nickel (ICP-AES)	1,000.00
23. Aluminum (ICP-AES)	1,000.00
24. Chromium (ICP-AES)	1,000.00
25. Selenium (ICP-AES)	1,000.00
26. Arsenic (ICP-AES)	900.00
27. Cobalt (ICP-AES)	1,000.00
28. Mercury (ICP-AES)	1,000.00
29. Crude Silica (Gravimetric)	400.00
30. Moisture (Air-oven)	400.00
31. Ash	400.00
32. Organic Carbon (Automated Colorimetric)	300.00
33. Organic Matter (Gravimetric)	300.00
34. pH (Potentiometric)	200.00
35. Electrical Conductivity (EC)	200.00

B. Soil/Soil Conditioners

	New rate
1. Nitrogen, Total (Automated Colorimetric) P	600.00
2. Phosphorus, Available (Automated Colorimetric)	400.00
3. Exchangeable Bases	
♦ Potassium (Flame Photometric)	400.00
♦ Sodium (Flame Photometric)	400.00
♦ Calcium (AAS)	600.00
♦ Magnesium (AAS)	600.00
4. Organic Carbon/Matter (Automated Colorimetric)	300.00
5. Exchangeable Acidity (Titrimetric)	300.00
6. Trace Elements, Available	
♦ Iron (AAS)	500.00
♦ Copper (AAS)	500.00
♦ Manganese (AAS)	500.00
♦ Zinc (AAS)	500.00

¹AAS – Atomic Absorption Spectrophotometry

²ICP-AES – Inductively-Coupled Plasma Atomic Emission Spectrometry

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7. Boron, Water Soluble (Automated Colorimetric)	500.00
8. Aluminum, Extractable (ICP-AES) And other heavy/toxic metals and non-metals	1,000.00
9. Electrical Conductivity (EC)	200.00
10. pH (Potentiometric)	200.00
11. Moisture (Air-oven)	400.00
12. Soil Texture (Bouyoucos)	300.00

C. Water/Waste Water

	New rate
1. Nitrogen, (Automated Colorimetric) P	400.00
2. Phosphorus (Automated Colorimetric)	400.00
3. Potassium (Flame Photometric)	400.00
4. Calcium (AAS)	500.00
5. Magnesium (AAS)	500.00
6. Sodium (Flame Photometric)	400.00
7. Sulfur (Automated Turbidimetric)	400.00
8. Chlorine (Potentiometric)	500.00
9. Trace Elements	
* Boron (Automated Colorimetric)	500.00
* Iron (AAS)	500.00
* Iron (ICP-AES)	900.00
* Copper (AAS)	500.00
* Copper (ICP-AES)	900.00
* Manganese (AAS)	500.00
* Manganese (ICP-AES)	900.00
* Zinc (AAS)	500.00
* Zinc (ICP-AES)	900.00
* Molybdenum (ICP-AES)	900.00
* Lead (ICP-AES)	1,000.00
* Cadmium (ICP-AES)	1,000.00
10. Electrical Conductivity (EC)	200.00
11. pH (Potentiometric)	200.00

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D. Virgin Coconut Oil

	New rate
1. Arsenic (ICP-AES) P	900.00
2. Lead (ICP-AES)	900.00
Lead (AAS)	600.00
3. Iron (ICP-AES)	900.00
Iron (AAS)	600.00
4. Copper (ICP-AES)	900.00
Copper (AAS)	600.00
5. Moisture (Air-oven)	400.00

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E. Coconut Methyl Ester (CME/Biodiesel)

	New rate
1. Phosphorus (ICP-AES)	P 1,000.00

F. BIO-2T (Plant-based)

	New rate
1. Aluminum (ICP-AES)	P 1,000.00
2. Chromium (ICP-AES)	1,000.00
3. Copper (ICP-AES)	1,000.00
Copper (AAS)	600.00
4. Iron (ICP-AES)	900.00
Iron (AAS)	600.00
5. Lead (ICP-AES)	900.00
Lead (AAS)	600.00

*subject to 12% VAT

**SCHEDULE OF ANALYSIS FEES *
 OF PRODUCT QUALITY CONTROL & RESEARCH DIVISION**

A. Copra

Chemical Analysis

1. Oil Content (Soxhlet Method)	P 800.00
2. Moisture Content (Oven Method)	400.00
3. Free Fatty Acid	500.00
4. Color (Lovibond)	200.00
Aflatoxin Analysis (Bond Elut HPTLC Method)	3,000.00

B. Copra Cake/Meal/Pellets

Chemical Analysis

1. Oil Content (Soxhlet Method)	800.00
2. Moisture Content (Oven Method)	400.00
3. Ash	800.00
Aflatoxin Analysis (Bond Elut HPTLC Method)	3,000.00

Microbiological Analysis

1. Salmonella	700.00
2. E. Coli	500.00

C. Coconut Oil (Crude, RBD, Cochin, Hydrogenated Coconut Oil, Paring Oil, Shortening)

Chemical Analysis

1. Moisture Content (Oven Method)	400.00
2. Free Fatty Acid (Titration Method)	400.00
3. Color (Lovibond)	200.00

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4. Peroxide Value	800.00
5. Iodine Value (Hanus Method)	800.00
6. Saponification Value	800.00
7. Acid Value	400.00
8. Unsaponifiable Matter	1,200.00
9. Specific Gravity	500.00
Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Aerobic Plate Count	500.00
4. Coliform Count	500.00
5. Molds & Yeasts Count	500.00

D. Acid Oil/ Fatty Acid Distillate (FAD)

Chemical Analysis	
1. Moisture Content (Toluene Method)	1,000.00
2. Free Fatty Acid (Titration Method)	400.00
3. Color (Lovibond)	200.00
4. Iodine Value (Hanus Method)	800.00
5. Saponification Value	800.00
6. Unsaponifiable Matter	1,200.00
7. Saponifiable Matter	1,200.00
8. Total Fatty Matter	1,200.00

E. Virgin Coconut Oil

Chemical Analysis	
1. Moisture Content (Oven Method)	400.00
2. Free Fatty Acid (Titration Method)	400.00
3. Color (Lovibond)	200.00
4. Peroxide Value	800.00
5. Iodine Value (Hanus Method)	800.00
Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Aerobic Plate Count	500.00
4. Coliform Count	500.00
5. Molds & Yeasts Count	500.00
6. Staphylococcus	600.00

F. Desiccated Coconut (per composite of 30,000 lbs. per cut)

Chemical Analysis	
1. Oil Content (Soxhlet Method)	800.00

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2. Moisture Content (Oven Method)	400.00
3. Free Fatty Acid (with solvent extraction)	500.00
4. Sulfur Dioxide	500.00
Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Aerobic Plate Count	500.00
4. Coliform Count	500.00
5. Molds & Yeasts Count	500.00

G. Coconut Flour

Chemical Analysis	
1. Oil Content (Soxhlet Method)	800.00
2. Moisture Content	400.00
3. Free Fatty Acid (with solvent extraction)	500.00
4. Sulfur Dioxide	500.00
Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Aerobic Plate Count	500.00
4. Coliform Count	500.00
5. Molds & Yeasts Count	500.00
6. Staphylococcus	600.00

H. Coconut Sap Sugar

Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Aerobic Plate Count	500.00
4. Coliform Count	500.00
5. Molds & Yeasts Count	500.00
Chemical Analysis	
1. Ash	800.00
2. Water Activity	500.00

I. Coconut Sap Syrup

Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Aerobic Plate Count	500.00
4. Coliform Count	500.00
5. Molds & Yeasts Count	500.00

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Chemical Analysis

- | | |
|-------|--------|
| 1. pH | 250.00 |
|-------|--------|

J. Canned Coco Milk (Gata), Coconut Juice/Coco Water in Cans or Tetrapak

Chemical Analysis

- | | |
|-----------------------|--------|
| 1. Oil Content | 800.00 |
| 2. Moisture Content | 400.00 |
| 3. pH | 250.00 |
| 4. Specific Gravity | 500.00 |
| 5. Titratable Acidity | 400.00 |

Microbiological Analysis

- | | |
|-------------------------|--------|
| 1. Salmonella | 700.00 |
| 2. E. Coli | 500.00 |
| 3. Aerobic Plate Count | 500.00 |
| 4. Coliform Count | 500.00 |
| 5. Molds & Yeasts Count | 500.00 |

K. Coco Cream Powder, Creamed Coconut, Macapuno or Young Fruit Preserved, Frozen Coco Milk & Shredded Coconut

Chemical Analysis

- | | |
|---------------------------------|----------|
| 1. Oil Content (Soxhlet Method) | 800.00 |
| 2. Moisture | 400.00 |
| 3. Free Fatty Acid | 500.00 |
| 4. pH | 250.00 |
| 5. Protein | 1,500.00 |
| 6. Ash | 800.00 |

Microbiological Analysis

- | | |
|-------------------------|--------|
| 1. Salmonella | 700.00 |
| 2. E. Coli | 500.00 |
| 3. Aerobic Plate Count | 500.00 |
| 4. Coliform Count | 500.00 |
| 5. Molds & Yeasts Count | 500.00 |



L. Coconut Vinegar

Chemical Analysis

- | | |
|-----------------------|--------|
| 1. Titratable Acidity | 400.00 |
|-----------------------|--------|

M. Cooked Acidified Nata de Coco

Chemical Analysis

- | | |
|-------|--------|
| 1. pH | 250.00 |
|-------|--------|

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2. Physical & Sensory Evaluation	300.00
3. Formalin Test	800.00
Microbiological Analysis	
1. Aerobic Plate Count	500.00

N. Processed Nata de Coco (Low Acid)

Chemical Analysis	
1. pH	250.00
2. Physical & Sensory Evaluation	300.00
3. Formalin Test	800.00
Microbiological Analysis	
1. Commercial Sterility	1,000.00

O. Raw Nata de Coco

Chemical Analysis	
1. pH	250.00
2. Physical & Sensory Evaluation	300.00
3. Formalin Test	800.00

P. Coconut Shell Charcoal


Chemical Analysis	
1. Moisture (Oven Method)	400.00
2. Ash	800.00
3. Volatile Combustible Matter	800.00

Q. Coconut Peat

Chemical Analysis	
1. pH	250.00
2. Moisture (Oven Method)	400.00
Microbiological Analysis	
1. Salmonella	700.00
2. E. Coli	500.00
3. Coliform Count	500.00

R. Coconut Pith

Chemical Analysis	
1. Moisture (Oven Method)	400.00
2. Ash	800.00
3. Extractives	1,200.00
4. Acid-Insoluble Lignin	1,500.00

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S. Coconut Coir

Chemical Analysis

1. Moisture (Oven Method) 400.00

T. Special Analysis

Aflatoxin B ₁ (Bond Elut HPTLC Method)	3,000.00
Extractives	1,200.00
Acid-Insoluble Lignin	1,500.00
Formalin Test	800.00
Sulfur Dioxide (J. Ponting)	500.00
Heating Value	3,000.00
Silica & Sand	1,200.00
Protein (Kjeltec Method)	1,500.00
PAH Analysis (Coconut Oil)	6,000.00
(Copra, CEC, DCN)	6,800.00
Staphylococcus	600.00
Anaerobic Bacteria	1,000.00
Commercial Sterility	1,000.00
Enterobacter	600.00

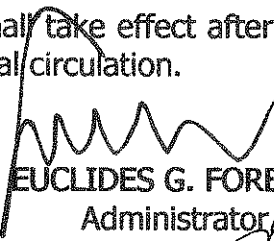
U. Other Fees

Certification fee	200.00
Training Fee	2,000.00 - 5,000.00

*subject to 12% VAT

Section 2. REPEALING CLAUSE. All provisions of existing rules, regulations, orders and circulars inconsistent with this Order are hereby repealed or modified accordingly.

Section 3. EFFECTIVITY. This Order shall take effect after fifteen (15) days from publication in a newspaper of general circulation.


EUCLIDES G. FORBES
 Administrator
 10-26-12

October 22, 2012

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