



ANALYTICAL SERVICES

Sample Type	Test / Parameter	Test Method	Fee per Sample (PHP)	Sample requirements
Soil	pH	Potentiometric	340.00	100 grams, dry and powdered in airtight plastic container / Ziplock pouch
	Iron	Ammonium Acetate Extraction	900.00	
	Organic Matter	Walkley-Black	560.00	
	Available Phosphorus	Modified Olsen's Method	800.00	
	Available Sulfur	Turbidimetric	800.00	



Microbiological Analyses

Sample Type	Test / Parameter	Test Method	Fee per Sample (PHP)	Sample requirements	
Water	Total Coliform Count	Drinking	APHA-AWWA-WEF 9221B	550.00	500 ml in a container provided by the laboratory
		Non-potable		550.00	
	Fecal Coliform Count	Drinking	APHA-AWWA-WEF 9221E	550.00	
		Non-potable		550.00	
	Heterotrophic Plate Count	Pour Plate Method, SMEWW		550.00	
Total Coliform Count (<i>Collilert-18</i>)	Enzyme Substrate Coliform Test, SMEWW		1,000.00		
Food	Total Coliform Count	MTFT, BAM		550.00	500 g in sterile container or Ziplock pouch
	Fecal Coliform Count	MTFT, BAM		800.00	
	Aerobic Plate Count (APC)	Pour Plate Method, BAM		550.00	
	<i>Vibrio</i> spp.	BAM		600.00	
	<i>Salmonella</i> spp.	BAM		1,100.00	
	Yeast / mold count	BAM		550.00	
	<i>Staphylococcus aureus</i>	BAM		1,000.00	



Electron Microscopy

Note: Every additional photomicrograph will be charged PHP 60.00

Sample Type	Test / Parameter	Test Method	Fee per Sample (PHP)	Sample requirements
Biological / Non-biological samples	Morphology (with 6 photomicrographs)	Scanning Electron Microscope	3,180.00	5 mm x 5 mm (L x W)



Chemical Analyses



Microbiological Analyses



Electron Microscopy






All inquiries, clarifications, and samples must be coordinated directly with:





Laboratory Facilities for Advanced Aquaculture Technologies (LFAAT)

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Chemical Analyses

Sample Type	Test / Parameter	Test Method	Fee per Sample (PHP)	Sample requirements	
Feeds	Moisture 	AOAC, 20th Ed. 930.15	250.00	50 grams dry sample in airtight plastic container / Ziplock pouch	
	Crude Protein 	AOAC, 20th Ed. 984.13 (Modified)	900.00		
	Ash 	AOAC, 20th Ed. 942.05	500.00		
	Crude Fat 	Soxtec Analyzer	900.00		
	Crude Fiber 	Filter Bag Technology by Ankom Analyzer	1,100.00		
	Complete proximate analysis	See above	3,650.00		
	Calcium	AAS, AOAC	1,500.00		
	Copper	AAS, AOAC	1,500.00		
	Iron	AAS, AOAC	1,500.00		
	Magnesium	AAS, AOAC	1,500.00		
	Phosphorus (from original sample)	Photometric, AOAC	1,700.00		
	Phosphorus (from ash)	Photometric, AOAC	1,500.00		
	Feed ingredients	Moisture (Dry sample)	Moisture Analyzer		250.00
Moisture (Wet sample)		Oven drying, AOAC	620.00		
Crude Protein		Automated Kjeltex Analyzer	900.00		
Ash		AOAC	500.00		
Crude Fat		Soxtec Analyzer	900.00		
Crude Fiber		Filter BagTechnology by Ankom Analyzer	1,100.00		
Complete proximate analysis		See above	3,650.00* 4,020.00**		
Calcium		AAS, AOAC	1,500.00	50 grams dry sample in airtight plastic container / Ziplock pouch	
Copper		AAS, AOAC	1,500.00		
Iron		AAS, AOAC	1,500.00		
Magnesium		AAS, AOAC	1,500.00		
Phosphorus (from original sample)		Photometric, AOAC	1,700.00		
Phosphorus (from ash)		Photometric, AOAC	1,500.00		

Sample Type	Test / Parameter	Test Method	Fee per Sample (PHP)	Sample requirements
Fish, marine products, meat and meat products	Moisture (Dry sample)	Moisture Analyzer	250.00	For dry sample, 50 grams. If wet, coordinate with the laboratory.
	Moisture (Wet sample)	Oven drying, AOAC	620.00	
	Crude Protein	Automated Kjeltex Analyzer	900.00	
	Ash	AOAC	500.00	
	Crude Fat	Soxtec Analyzer	900.00	
	Crude Fiber	Filter Bag Technology by Ankom Analyzer	1,100.00	
	Complete proximate analysis	See above	3,650.00* 4,020.00**	
Water	pH 	APHA-AWWA-WEF, 23rd Ed.	250.00	100 ml (PET bottle)
	Ammonia-Nitrogen 	APHA-AWWA-WEF, 23rd Ed.	650.00	100 ml (PET bottle)
	Nitrite-Nitrogen 	APHA-AWWA-WEF, 23rd Ed.	570.00	
	Phosphorus 	APHA-AWWA-WEF, 23rd Ed.	580.00	
	Nitrate+Nitrite-Nitrogen	Skalar Methods	1,000.00	100 ml (PET bottle)
	Nitrate-Nitrogen	Skalar Methods, SMEWW	1,570.00	
	Total Ammonia Nitrogen	Skalar Methods	1,000.00	
	Alkalinity	Titration	360.00	500 ml (PET bottle)
	Hardness	EDTA Titration, SMEWW	550.00	300 ml (DO bottle)
	Dissolved oxygen	Azide Modification, SMEWW	400.00	
	Total Suspended Solids	Oven drying, SMEWW	640.00	500 ml (PET bottle)
	Chlorophyll	Spectrophotometric, SMEWW	700.00	500 ml (dark colored PET bottle)
	Calcium	AAS, SMEWW	700.00	500 ml (PET bottle)
Copper	AAS, SMEWW	700.00		
Iron	AAS, SMEWW	700.00		
Magnesium	AAS, SMEWW	700.00		