



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 1 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

ANALYSIS	METHOD	DETECTION LIMIT	REQUIREMENTS	FEE PER SAMPLE (PhP)	RELEASING RESULTS	PNS ISO/IEC 17025:2017 ACCREDITED
FISH HEALTH LABORATORY (FHL)						
A. Residue Analysis						
1. Chloramphenicol (CAP)	ELISA	Meat: 0.008 ppb	Fresh Chilled/Frozen	1,000.00	Fifteen (15) working days after sample preparation	<i>Accredited for CAP, AOZ and AMOZ in Food and Agricultural Products for the following sample type:</i>
		Feeds: 0.100 ppb	-Whole Finfish (Milkfish, Tilapia, Stonefish, Eel, Grouper, Pompano etc.): At least 1.3 kg (2-3 pcs)	1,000.00		
2. Nitrofurans						
a. AOZ	ELISA	Meat: 0.070 ppb	-Bamboo Shark: At least 1.3 kg.	1,000.00		
b. AMOZ		Meat: 0.140 ppb	-Salmon Head/Belly: At least 2 kg.	1,000.00		
3. Aflatoxin		Feeds: 2.00 ppb	-Shrimp (Head-on): At least 1.3 kg. -Sea Mantis: At least 1.2 kg. -Lobsters (Headless): At least 800 g. (at least 2 pieces) -Canned/Pasteurized/Chilled Crab Meat: At least 300 g	1,000.00		

INFORMATION.COM



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 2 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

			Live -Geoduck: At least 1.5 kg (at least 2 pcs) -Crabs: At least 1.2 kg (2-3 pcs with claws attached) -Nylon Shell: 1.2 kg -Other Shells: At least 1.5 kg Kept Dry Aquatic Feeds: At least 300 g		
--	--	--	--	--	--

B. Molecular Diagnostic						
1. for Crustaceans (Shrimp, Crabs, etc.) DNA -WSSV, IHNV, EHP, AHPND, MBV, NHPB and DIV 1 RNA - TSV, IMNV, YHV/GAV, MRNV, PVNV and CMNV	Conventional PCR (WSSV, IHNV, EHP, AHPND, MBV, NHPB, TSV, IMNV, YHV/GAV, MRNV, PVNV and CMNV) Real Time PCR (WSSV, EHP, IMNV, TSV, YHV and AHPND) Insulated Isothermal PCR-IPCR (DIV 1)	Qualitative	Live, chilled, frozen or FIXED in 95% Ethanol Shrimp: At least 300 pcs for fry/pl or at least 5 pcs adult Crabs: At least 2pcs	600.00 per analysis	Five (5) working days after sample receipt	<i>Accredited for the Identification of pathogens in plants and animals (Crustaceans) for the following microbial pathogens:</i> A. White Spot Syndrome Virus (WSSV) B. Infectious Hypodermal and Hematopoietic Necrosis Virus (IHNV)



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**
Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 3 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

						<i>C. Enterocytozoon hepatopenaei (EHP)</i> <i>D. Vibrio parahaemolyticus (AHPND)</i> <i>E. Necrotising Hepatopancrea Bacteria (NHPB)</i> <i>F. Monodon Biculovirus (MBV)</i> <i>G. Infectious Myonecrosis Virus (IMNV)</i> <i>H. Taura Virus (TSV)</i> <i>I. Macrobrachium rosenbergii nodavirus (MRNV)</i> <i>J. Yellow Head Virus (YHV)</i> <i>K. Penaeus vannamei nodavirus (PVNV)</i> <i>Using Conventional PCR Commercial Kit</i>
2. for Finfishes (Milkfish, Tilapia, Koi, etc.) DNA -KHV, Irido	Conventional PCR (KHV, Irido, SCVC and VNN)	Qualitative	-Live, Chilled, frozen or FIXED in 95% Ethanol -At least 30 pcs fry/fingerlings	600.00 per analysis	Five (5) working days after sample receipt	N/A



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 4 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

RNA - TiLV, VNN and SVCV	Insulated Isothermal PCR-IIPCR (TiLV and Irido-G)		-At least 10 juvenile/ grow out moribund or fish exhibiting clinical signs of a disease			
3. Parasitological Examination	Microscopic	Qualitative	Must be LIVE Finfish: At least 30 pcs Lobster: At least 10 pcs with carapace length >10cm Eel: At least 30 pcs (>16 cm) Shrimp: At least 300 pcs for fry/pl or at least 5 pcs adult	75.00	Three (3) working days after sample receipt	N/A
4. Gross Morphological/Necropsy /Microscopic	Microscopic	Qualitative		100.00	Three (3) working days after sample receipt	N/A
5. Bacterial Count (Luminous and Vibrio)	Serial Dilution	Quantitative	Water: At least 1 L submitted within 3-4 hours from the time of collection Shrimp: At least 30 pcs fry/fingerlings and at least 10 juvenile/ grow out moribund or fish exhibiting clinical signs of a disease	100.00		
6. Physico-Chemical (Salt, Brackish or Fresh intended for Aquaculture)						
a. pH	Lamotte pH meter	0.00-14.01 ppm	Water: At least 1 L submitted within 3-4 hours from the time of collection	30.00		
b. Acidity/Alkalinity	Unit dose Vial	0.200 ppm		100.00		



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 5 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

c. Carbon Dioxide	Titration	Quantitative		100.00		
d. Dissolved Oxygen (DO)	Winkler	0.0-10.0 ppm		150.00		
e. Ammonia	Salicylate	0-1.00 ppm		180.00		
f. Nitrate/Nitrite	Colorimetric	FW: 0.05-0.80 ppm; SW: 0.2510.0 ppm/ FW: 0.05-0.80 ppm		180.00		
g. Phosphate	Ascorbic Acid Reduction	0.00-3.00 ppm		300.00		
h. Total Hardness	UDV	0-450 ppm		300.00		
i. Salinity	Refractometer	0-100 ppm		30.00		
7. Bacterial Identification for Finfish a. API 20 Strep b. API Staph c. API 20 E d. API 20 NE	Analytical Profile Index	Qualitative	-At least 30 pcs LIVE fry/fingerlings/ at least 10 juvenile/ grow out moribund or fish exhibiting clinical signs of a disease - If bacterial isolates are in a culture media, it should be transported in a refrigeration temperature with a sealed packaging. Pertinent details about the sample should be	200 per analysis per sample	Ten (10) working days after sample receipt	N/A



BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION
Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 6 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

			complete and will be assessed first before the receipt of samples		
8. Histopathology	Histotechniques and microscopic examination of histological slides	Qualitative	<p>-At least 30 pcs LIVE fry/fingerlings/ at least 10 juvenile/ grow out moribund or fish exhibiting clinical signs of a disease</p> <p>- At least 100 pcs LIVE fry/PL for shrimp</p> <p>- At least 10 moribund juvenile/adult shrimp</p> <p>- If samples are already fixed, it should be properly transported with its pertinent details attached. Samples will be assessed first before the samples are received.</p> <p>FIXATIVE: Shrimp: Davidson's fixative</p> <p>Fish: 10% Neutral buffered formalin, 10% buffered formalin, bouin's solution</p>	500.00	Fifteen (15) working days after sample preparation N/A



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 7 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

FISHERIES PRODUCT TESTING LABORATORY (FPTL)						
1. pH	Potentiometric	Good Quality: 6.2-6.9 Sour/Putrid: 5.2&below	Fresh/Chilled/Frozen: Cephalopods: At least 500 g	50.00	Seven (7) working days after sample receipt	N/A
2. Water activity (Aw)	Novasina Aw Measuring Value	Heavily Salted Fish: 0.6-0.7 Bagoong PNS/FDA 36:2012: 0.85	Mollusks: At least 2 kg w/ shell and at least 500 g meat Crustaceans: At least 1 kg w/ shell and at least 500 g meat Fish: At least 500 g;	75.00	Ten (10) working days after sample receipt	
3. Sodium Chloride (NaCl)	Titrimetry-Volhard	Fresh: 0.2-3% Dried Fish: 8- 10% Smoked: 3-5% Bagoong: 8- 15%	Dried Fish and Fishery Products: At least 1 kg	160.00		
4. Moisture	AOAC 950.46	Quantitative		85.00		
5. Heavy Metals						
a. Cadmium (Cd)	GFA AAS	0.000084 ppm	A. For EU and US Export and Plant Verification Fresh/Chilled/Frozen NINE (9) samples per batch or production code with 300 grams each.	1,200.00 per sample	Fifteen (15) working days after sample preparation	N/A
b. Lead (Pb)		0.000025 ppm	B. For other purposes	1,200.00 per sample		



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 8 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

c. Mercury (Hg)	MVU-AAS	0.0054 ug/g	Cephalopods: At least 1 kg Mollusks: At least 1.5 kg w/ shell and at least 1 kg meat	1,200.00 per sample		
6. Histamine	HPLC-FLD	0.0310 mg/kg	Crustaceans: At least 1.5 kg w/shell and at least 1 kg meat Fish: At least 1 kg	450.00 per sample		
7. Microbial Examination						
a. APC	BAM AOAC, 2001 (for meat) SMEWW (for ice and water)	Fish & Fishery Product: 500,000 cfu/g	Dried Fish and Fishery Products: At least 1 kg	200.00	Ten (10) working days after sample receipt	<i>I. Accredited for Aerobic Plate Count (APC) for the following:</i> <i>A. Fish and Shellfish products</i> <i>B. Fresh frozen fish and cold smoked</i> <i>C. Pre-cooked breaded fish</i> <i>D. Frozen raw crustaceans</i> <i>E. Cooked, chilled and frozen crab meat</i> <i>F. Fish and shellfish products hermetically</i>
<i>b. Staphylococcus aureus</i>		Fish & Fishery Product: 1,000 cfu/g	Fresh/Chilled/Frozen Cephalopods: At least 1 kg	300.00		
c. Fecal Coliform for water and ice		Fish: 11 mpn/g Shellfish: 16 mpn/g	Mollusks: At least 2 kg w/ shell and at least 1 kg meat Crustaceans: At least 1.5 kg w/ shell and at least 1 kg meat	250.00		
d. E. coli		Water: <1.1 mpn/100 mL	Fish: At least 1 kg Water: At least 1 L contained in a sterilized bottle jar	350.00		
		Fish & Fishery Product: 11 mpn/g Shellfish:				



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 9 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

		16 mpn/g Live	Ice: At least 1 kg		<i>sealed containers (thermally processed)</i> <i>With Pour Plate Method Bacteriological Analytical Manual (BAM)</i> <i>II. Accredited for Heterotrophic Plate Count (HPC) for the following:</i> <i>A. Potable Water B. Source Water C. Others Ice</i> <i>With Pour Plate Method SMEWW</i>
e. Heterotrophic Plate Count (HPC) for water and ice		Shellfish: 23 mpn/g		200.00	
f. Salmonella		Water: <1.1 mpn/100 mL		400.00	
g. Enterococci/Fecal Streptococci		Ice and Water: <1 cfu/mL		350.00	
		Fish & Fishery products: Absent in 25 g			
		Water: <1.1 mpn/100 mL			

AQUATIC TOXICOLOGY LABORATORY (ATL)

1. Paralytic Shellfish Toxin (PST)	ELISA RBA	0.3 ug STX equivalent/100 g Quantitative	SHELLFISH Meat: at least 250 g. With shell: at least 1 kg. CRUSTACEAN (ALAMANG): at least 250 grams	600.00	Five (5) working days after sample receipt	N/A
2. Amnesic Shellfish Toxin (AST)	AQAC Method No. 991.26	0.2 ug/mL		2,500.00	Seven (7) working days	



**BUREAU OF FISHERIES AND AQUATIC RESOURCES
NATIONAL FISHERIES LABORATORY DIVISION**

Arcadia Bldg., 860 Quezon Avenue, Quezon City

Document No. ML 7.2-01	Revision No 3	Effectivity Date 29/08/2023	MASTER LISTS	Page: 10 of 11
SECTION: 7.0	Sub-Section: 7.2	SUB-TITLE: Master List of Analyses		

3. Diarrhetic Shellfish Toxin (DST)	Protein Phosphatase 2A Assay	63 ug/Kg		3,000.00	after sample receipt
4. Brevetoxin	IAEA TechDOC 1729	< 5 ng/g		4,500.00	Fifteen (15) working days after completion of the required number of samples per filter plate
5. Ciguatoxin	IAEA TechDOC 1729	5 ng PbTX eq / g		4,000.00	
6. Cyanide	APHA Method No. 4500	0.04 ppm	3 - 5 pcs per sample, small sized (ornamental fish) 1 pc per sample (< 250g)	250.00	Seven (7) working days after sample receipt
7. Formaldehyde	Spectrophotometric Method Nash Reagent	0.60 ug/g	At least 5 pcs	250.00	

INFORMATION COPY

NOTES and REMINDERS:

1. **All samples** that will be submitted for analysis must have COMPLETE **INFORMATION including other documentary requirements such as Local Transport Permit (LTP) or Auxilliary Invoice for samples that are wild caught.**
2. **ALL samples** for other analysis **MUST be placed in a plastic container, plastic bag or Ziploc bag and should be properly SEALED for each sample type.** KINDLY ensure that there are no holes in the container to avoid contamination.
3. The **SEALED samples must then be placed in a Styrofoam box or Cooler Insulated Box** and **ice SHOULD be packed SEPARATELY** around the samples. This is NOT REQUIRED for AQUATIC FEEDS and LIVE samples.
4. **Samples for MICROBIAL EXAMINATION** will be accepted every **MONDAY between 8:00AM to 12:00PM in a week with five (5) working days** for 20 samples (maximum of 5 samples accepted per exporters).
5. For **Physico-Chemical and Microbial Analysis or Examination**, samples **MUST be in a Sterilized Zipped Plastic Sealer Bag or Vacuumed Sealed Plastic Bag or Bottle** and put in a **Cool Box or Container or Styrofoam Box as chilled or maintain its ice temperature.**
6. **Aquatic Feeds** samples can be analyzed for **CAP and Aflatoxin only.**
7. Samples for **Bacteriology (Luminous and Vibrio)** will be accepted from Monday to Thursday between 8:00AM to 4:00PM.

SAMPLES THAT DO NOT COMPLY WITH THE SET REQUIREMENTS AND WITH INCOMPLETE INFORMATION WILL BE REJECTED.

FOR INQUIRIES you may contact or email us:



0919-0041280



receivingnfld.bfar@gmail.com

Prepared by:

Original signed
JENNY A. HERNANDEZ
Customer Service Officer

Reviewed by:

Original signed
JUDITH MAE B. ARVESU
Quality Assurance Manager

Approved by:

Original signed
SONIA S. SOMGA
Laboratory Manager