



# ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006  
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

**Quality Control Laboratory (QCL), Department of Fisheries**

**209 Muradpur (N.M. Khan Hill), P.O.: Amin Jute Mills**

**Panchlaish, Chittagong- 4211, Bangladesh.**

This is to certify that this

**Testing Laboratory**


is accredited in accordance with the international standard

**ISO/IEC 17025:2017**

in respect of the associated scope, subject to the terms and  
conditions governing the relevant conformity assessment  
body (CAB) accreditation.

Certificate Number : 01.013.14  
Accreditation Date : 29 May 2014  
Date of Issuance : 06 May 2025 (4th Renewal)  
Date of Expiration : 28 May 2027



  
06.05.2025  
**Md. Anwarul Alam**  
**Director General**

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific  
scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

## SCOPE OF ACCREDITATION

(For Testing Laboratory)

**CAB Name & Address:** **Quality Control Laboratory**  
Department of Fisheries, 209 Muradpur, (N. M. Khan Hill)  
P.O: Amin Jute Mills, Panchlaish, Chattogram-4211, Bangladesh.

<b>Accreditation Standard:</b>	<b>ISO/IEC 17025:2017</b>	<b>Accreditation Date:</b>	29 May 2014
<b>Certificate Number:</b>	01.013.14	<b>Issued on:</b>	06 May 2025
<b>Last Amended on:</b>	NA	<b>Valid until:</b>	28 May 2027
<b>Amendment no:</b>	NA		

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
<b>Field: Chemical Testing</b>				
1.	Shrimp & Fish muscle	Determination of Chloramphenicol (CAP) using ELISA.	TMSOP/C 01 (In-House Method)	0.075 µg/kg
2.	Shrimp & Fish muscle	Determination of Nitrofurans Metabolites (AOZ, AMOZ, AHD & SEM) using ELISA.	TMSOP/C 02 (In-House Method)	0.45 µg/kg
3.	Fish muscle	Determination of Diethylstilbestrol (DES) using ELISA.	TMSOP/C 03 (In-House Method)	0.85 µg/kg
4.	Fish muscle	Determination of Methyltestosterone (MTS) using ELISA.	TMSOP/C 07 (In-House Method)	0.75 µg/kg
5.	Shrimp & Fish muscle	Determination of Tetracyclines (OTC, TTC, CTC) using ELISA.	TMSOP/C 08 (In-House Method)	50 µg/kg
6.	Shrimp & Fish muscle	Determination of Dyes (MG, LMG, CV, LCV) using ELISA.	TMSOP/C 18 (In-House Method)	1 µg/kg
7.	Shrimp & Fish muscle	Determination of Histamine using ELISA.	TMSOP/C 27 (In-House Method)	50 mg/kg
8.	Shrimp & Fish Feed	Determination of Chloramphenicol (CAP) using ELISA.	TMSOP/C 16 (In-House Method)	0.25 µg/kg
9.	Shrimp & Fish Feed	Determination of Nitrofurans Metabolites (AOZ, AMOZ, AHD & SEM) using ELISA.	TMSOP/C 29 (In-House Method)	0.75 µg/kg

Quality Manager

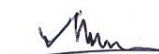
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10.	Shrimp & Fish Feed	Determination of Tetracyclines (OTC, TTC, CTC) using ELISA.	TMSOP/C 15 (In-House Method)	50 µg/kg
11.	Fish & shrimp muscle	Determination of TVBN & TMA	TMSOP/C 12 (Conway's Microdiffusion method)	mg/100g
12.	Dry Fish & Fishery products	Determination of Moisture content by Electronic Moisture Analyzer	TMSOP/C 14 (In-House Method)	0.01%
13.	Shrimp & Fish muscle	Determination of Tylosin using ELISA.	TMSOP/C 32 (In-House Method)	50 µg/kg
14.	Shrimp & Fish muscle	Determination of Amoxicillin using ELISA.	TMSOP/C 34 (In-House Method)	25 µg/kg
15.	Shrimp & Fish muscle	Determination of Sulfonamides using ELISA.	TMSOP/C 33 (In-House Method)	50 µg/kg
16.	Shrimp & Fish muscle	Determination of Gentamicin using ELISA.	TMSOP/C 35 (In-House Method)	25 µg/kg
17.	Shrimp & Fish muscle	Quantification of Tetracyclines (OTC, TTC, CTC) using UPLC.	TMSOP/C 36 (In-House Method)	100 µg/kg
18.	Shrimp & Fish muscle	Determination of Heavy metals (As, Pb, Cd, Cr, Hg) using ICPMS	TMSOP/C 37 (In-House Method)	As: 4.378 µg/kg Pb: 0.483 µg/kg Cd: 0.325 µg/kg Cr: 1.022 µg/kg Hg: 0.378 µg/kg



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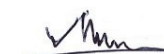
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19.	Feed	Determination of Heavy metals in Feed (As, Pb, Cd, Cr, Hg) using ICPMS	TMSOP/C 39 (In-House Method)	As: 0.004 µg/kg Pb: 0.039 µg/kg Cd: 0.004 µg/kg Cr: 0.085 µg/kg Hg: 0.010 µg/kg
20.	Fish	Determination of Residue of Methyltestosterone (MTS) using Liquid Chromatography tandem Mass Spectrometry (LCMS/MS)	TMSOP/C 42 (In-House Method)	0.525 µg/kg
21.	Fish & Shrimp	Determination of Nifursol (DNSH) using ELISA	TMSOP/C 43 (In-House Method)	0.45 µg/kg
22.	Fish & Shrimp	Determination of Nitroimidazole (Metronidazole & Dimetridazole) using ELISA	TMSOP/C 28 (In-House Method)	1.5 µg/kg

### Field: Microbiological Testing

23.	Fish & Shrimp	Enumeration of microorganism by colony counting Techniques at 30°C	TMSOP/M 31 (BDS ISO-4833:2020)	<10 cfu/g
24.	Fish & Shrimp	Isolation and detection of <i>Salmonella</i> spp.	TMSOP/M 33 (BDS ISO-6579:2020)	Present/Absent in 25g
25.	Fish & Shrimp	Detection of <i>V. cholerae</i>	TMSOP/M 34 (BDS ISO-21872-1:2019)	Present/Absent in 25g
26.	Fish & Shrimp	Detection of <i>V. parahaemolyticus</i>	TMSOP/M 35 (BDS ISO-21872-1:2019)	Present/Absent in 25g



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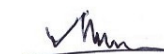
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27.	Fish & Shrimp	Detection of <i>Listeria monocytogenes</i>	TMSOP/M 36 (BDS-ISO-11290-1:2019)	Present/Absent in 25g
28.	Fish & Shrimp	Enumeration of <i>Staphylococcus aureus</i> (coagulase-positive)	TMSOP/M 08 (BDS-ISO-6888-1:2009)	<10 cfu/g
29.	Fish & Shrimp	Enumeration of <i>Escherichia coli</i> ( $\beta$ -glucuronidase-positive)	TMSOP/M 32 (BDS ISO-16649-3:2019)	<0.3 MPN/g
30.	Shrimp	Detection of White Spot Syndrome Virus by Real-Time PCR	TMSOP/M-28 (In-House Method)	10 copies/ $\mu$ L
31.	Shrimp	Detection of Yellow Head Virus by Real-Time PCR	TMSOP/M-29 (In-House Method)	10 copies/ $\mu$ L
32.	Water and Ice	Enumeration of Culturable Micro-organisms (Colony count-pour plate Technique)	TMSOP/M 09	<1
33.	Water and Ice	Detection and Enumeration of Coliforms and presumptive <i>Escherichia coli</i> (Most Probable Number Technique)	TMSOP/M 10	<1
34.	SWAB	Enumeration of Microorganisms (Colony Count Technique)	TMSOP/M 12	<1
35.	SWAB	Enumeration of Coliforms and Presumptive <i>E. coli</i> (Most Probable Number Technique)	TMSOP/M 13	<1
36.	Shrimp	Detection of Porcine DNA (Pig collagen) using Real-Time PCR System	TMSOP/M 30	10 copies/ $\mu$ L
37.	Water and Ice	Detection of <i>Salmonella</i> spp.	TMSOP/M 11	Present/Absent in 100 ml
38.	Water and Ice	Detection of <i>Vibrio cholerae</i>	TMSOP/M 37	Present/Absent in 100 ml

\*\*\*END\*\*\*



Quality Manager