GLOBAL ACCEPTANCE

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BANGLADESH ACCREDITATION BOARD

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**

CERT. NO. 01.013.14
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BANGLADESH ACCREDITATION BOARD
Accredited for ISO/IEC 17025:2017

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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.

BANGLADESH ACCREDITATION BOARD (BAB)

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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.

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

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: Chemical Testing				
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 Nitrofuran 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 Nitrofuran 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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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
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 30^0C	TMSOP/M 31 (BDS ISO-4833:2020)	<10 cfu/g
24.	Fish & Shrimp	Isolation and detection of *Salmonella* spp.	TMSOP/M 33 (BDS ISO-6579:2020)	Present/Absent in 25g
25.	Fish & Shrimp	Detection *of V. cholerae*	TMSOP/M 34 (BDS ISO-21872-1:2019)	Present/Absent in 25g
26.	Fish & Shrimp	Detection of *V. parahaemolyticus*	TMSOP/M 35 (BDS ISO-21872-1:2019)	Present/Absent in 25g

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27.	Fish & Shrimp	Detection of *Listeria monocytogenes*	TMSOP/M 36 (BDS-ISO-11290-1:2019)	Present/Absent in 25g
28.	Fish & Shrimp	Enumeration of *Staphylococcus aureus* (coagulase-positive)	TMSOP/M 08 (BDS-ISO-6888-1:2009)	<10 cfu/g
29.	Fish & Shrimp	Enumeration of *Escherichia coli* (β-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/µL
31.	Shrimp	Detection of Yellow Head Virus by Real-Time PCR	TMSOP/M-29 (In-House Method)	10 copies/µL
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 *Escherichia coli* (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 *E. coli* (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/µL
37.	Water and Ice	Detection of *Salmonella* spp.	TMSOP/M 11	Present/Absent in 100 ml
38.	Water and Ice	Detection *of Vibrio cholerae*	TMSOP/M 37	Present/Absent in 100 ml

END

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