NIPPON KAIJI KYOKAI

(Rewritten)

CERTIFICATE OF APPROVAL FOR FIRMS ENGAGED IN COMMISSIONING TESTING OF BALLAST WATER MANAGEMENT SYSTEMS

Certificate No. : **23TZ395**
Approval No. : **22BW005**

THIS IS TO CERTIFY that

Qingdao Global Marine Safetycare Technology Co., Ltd.
Shandong University of Science and Technology, No. 579, Qianwangang Road, Huangdao district, Qingdao, China

is approved as a firm engaged in commissioning testing of ballast water management systems under the Society's Rules for Approval of Manufacturers and Service Suppliers incorporating IACS UR Z17, as amended.

This certificate is valid until **12 June 2027** subject to periodical assessment.

Issued at Tokyo on 24 August 2023.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)
General Manager of Survey Department

ClassNK

This Certificate was rewritten because the conditions for approval was changed as of completion of Occasional Assessment dated 24 July 2023.

This is to certify that the firm has been periodically or occasionally assessed in accordance with the regulations of Chapter 2, Part 1 of the Rules for Approval of Manufacturers and Service Suppliers.

Due Range of Periodical Assessment: *between 13 June 2024 and 12 June 2025*

Periodical Assessment

Date 23 May 2025

Signature

Surveyor to NIPPON KAIJI KYOKAI

Occasional Assessment

Date _____

Signature _____

Surveyor to NIPPON KAIJI KYOKAI

Conditions for Approval:

1. The firm is engaged in the analysis listed in the attachment.
2. The service has been properly conducted and reported in accordance with the requirements of the Rules and the relevant Regulations.
3. Where there is any alteration to the service approved by this certificate, the Firm should notify immediately to the Society.

Attachment to
Certificate Number 23TZ395

Organism size class	Indicative analysis	Detailed analysis
≥50 µm	ATP / B-QUA / LuminUltra	Microscopy
	Pulse counting FDA / VOA 1000K (Ballast Eye) / Satake	
	Pulse counting FDA / BOS CLEAN PLANKTON / COSCO (Weihai)	
≥10 and <50 µm	ATP / B-QUA / LuminUltra	Microscopy (CMFDA/FDA)
	Pulse counting FDA / VOA 1000K (Ballast Eye) / Satake	
	Pulse counting FDA / BOS CLEAN PLANKTON / COSCO (Weihai)	

-- The End --