NIPPON KAIJI KYOKAI

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

Certificate No. : **23TZ116**
Approval No. : **23BW006**

THIS IS TO CERTIFY that

Viswalab Singapore Pte Ltd

80 Tagore Lane, Singapore 787501

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 **19 February 2028** subject to periodical assessment.

Issued at Tokyo on 20 February 2023.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)
General Manager of Survey Department

ClassNK

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 20 February 2025 and 19 February 2026*

Periodical Assessment *Date* _____

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 23TZ116

Organism size class	Indicative analysis (Method / Type of Equipment/ Manufacturer)	Detailed analysis
≥50 µm	ATP / B-QUA Plus / LuminUltra	Microscopy
	Motility and Fluorescence Assays / BallastWise / MicroWISE	
≥10 and <50 µm	ATP / B-QUA Plus / LuminUltra	Microscopy (CMFDA/FDA)
	Motility and Fluorescence Assays / BallastWise / MicroWISE	

Subcontractor for Detailed analysis:
Marchwood Laboratory Services Pte Ltd

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