



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

Certificate No. : **22TZ467**

Approval No. : **22BW019**

THIS IS TO CERTIFY that

SPECTRUMLABS S.A.

49 EFPLIAS STR., PIRAEUS, GREECE

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 October 2027** subject to periodical assessment.

Issued at Tokyo on 13 October 2022.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)

General Manager of Survey Department

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 October 2024 and 12 October 2025

Periodical *Date* _____
Assessment

Signature _____

Surveyor to NIPPON KAIJI KYOKAI

Occasional *Date* _____
Assessment

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.

NIPPON KAIJI KYOKAI



Attachment to
Certificate Number 22TZ467

Organism size class	Indicative analysis (Method / Type of Equipment/ Manufacturer)
$\geq 50 \mu\text{m}$	ATP / B-QUA / LuminUltra
≥ 10 and $< 50 \mu\text{m}$	ATP / B-QUA / LuminUltra

Subcontractor:
ALPHA MARINE ENGINEERING

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