B-ADVANCY®

Certificate OF REGISTRATION

This is to Certify That the General Requirements for The Competence, Impartiality and Consistent Operation of Laboratories of

PT. GLOBAL MARINEDO SAFETY INDONESIA

Site 01: Pergudangan Cipta Grand City Blok L No. 4-5, Kelurahan Sungai Binti, Kecamatan Sagulung - Kota Batam, Indonesia

Site 02: Jl. Bandung Blok II B.1. Kav. No. 13 B, KBN SBU Marunda, Keluruhan Cilincing, Kecamatan Cilincing - Jakarta Utar, Indonesia

has been independently assessed and registered by B-ADVANCY as conforming to the requirements of

ISO/IEC 17025:2017

For the following Scope:

For Scope of Work See Appendix in Next Page

Certificate No. : 2510111ID

Date of initial registration	: 09th Oct 2025
Date of this certificate	: 09th Oct 2025
Date of expiry	: 08th Oct 2028
1st Surveillance audit on or before	: 09th Sep 2026
2nd Surveillance audit on or before	: 09th Sep 2027

Validity of the certificate is subject to completion of surveillance audit on or before the due date. In case the surveillance audit is not allowed to be conducted, this certificate shall be suspended/subject to withdrawal.

ASIB ACCREDITATION INTERNATIONAL MSCB162

ISO REGISTER GLOBAL

Director

Certificate can be verified on **www.b-advancy.com** website

This Certificate is the property of B-ADVANCY Certification UK Ltd. and shall be returned immediately when demanded.

B-ADVANCY Certification UK Limited, Registered in England and Wales
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Website : www.b-advancy.com

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PT. GLOBAL MARINEDO SAFETY INDONESIA

Scope of Certificate

(Appendix)

Measure / Equipment	Measurement Range	Expanded Uncertainty (k=2)	Method / SOP
Fixed gas / fire detection system	0–100% LEL, 0–30% O_2, ppm ranges for CO, H_2S, etc.	±0.5% FS	SOP-GAS-01
Multi gas detector	0–100% LEL, 0–30% O_2, ppm ranges for CO, H_2S, SO_2	±0.5% FS	SOP-GAS-02
O_2 analyzer for IG system	0–30% O_2	±0.5% FS	SOP-GAS-03
15 ppm bilge alarm monitor	0–30 ppm	±1 ppm	SOP-OWM-01
Oil discharge monitoring equipment	0–100 ppm	±1 ppm	SOP-OWM-02
Vapour emission control system	0 to 30 VOL %	±0.5% FS	SOP-VEC-01
UTI/MMC meter	0–30 m, 0–100°C, water/oil interface detection	±2 mm, ±0.2°C	SOP-TANK-01
Tank level gauging system	0–30 m	±2 mm	SOP-TANK-02
Pressure calibrator	0.9 bar to 2,000 bar	±0.02% FS	SOP-PRS-01
Pressure gauges	0.9 bar to 2,000 bar	±0.05% FS	SOP-PRS-02
Temperature calibrator	–50°C to 1200°C	±0.2°C	SOP-TEMP-01
Thermometers (digital/analog)	–50°C to 650°C	±0.2°C	SOP-TEMP-02
Alcohol tester	0–2.0 mg/L BrAC	±0.02 mg/L	SOP-ALC-01
Barometer	800–1,100 hPa	±0.1 hPa	SOP-ENV-01
Torque wrench	1–1,000 Nm	±1% reading	SOP-TOR-01
Dynamometer	0–50 kN	±0.5% reading	SOP-FRC-01
Oil mist detector	0–200 mg/L	±2 mg/L	SOP-OMD-01
Contact thermometers (digital & analog)	–50°C to 650°C	±0.2°C	SOP-TEMP-03
Infrared thermometers	–50°C to 650°C	±0.5°C	SOP-TEMP-04
Temperature probes used in marine engines and HVAC	–50°C to 650°C	±0.2°C	SOP-TEMP-05
High-pressure hydraulic test gauges	0–1,000 bar	±0.05% FS	SOP-PRS-03
Low-pressure manometers	0–1 bar	±0.05% FS	SOP-PRS-04
Depth gauges and pressure transducers (marine)	0–50 bar	±0.05% FS	SOP-PRS-05
Marine fuel flow meters	0.5–2,000 L/min	±0.5% reading	SOP-FLW-01
Water flow meters for ballast and firefighting systems	0.5–2,000 L/min	±0.5% reading	SOP-FLW-02
Torque multipliers	1–5,000 Nm	±1% reading	SOP-TOR-02
Insulation resistance testers (megger)	0–10 GΩ	±2% reading	SOP-ELC-01
Earth/ground resistance testers	0–2,000 Ω	±2% reading	SOP-ELC-02
Clamp meters for high-current AC/DC	0–2,000 A	±1% reading	SOP-ELC-03
Portable gas detectors (O_2, CO, CO_2, CH_4, H_2S, etc.)	Varies per gas	±0.5% FS	SOP-GAS-04
Fixed gas monitoring systems on ships	Varies per gas	±0.5% FS	SOP-GAS-05
Vernier calipers	0–300 mm	±0.02 mm	SOP-DIM-01
Micrometers	0–300 mm	±0.002 mm	SOP-DIM-02
Depth gauges	0–300 mm	±0.02 mm	SOP-DIM-03
Feeler gauges	0.02–1.00 mm	±0.005 mm	SOP-DIM-04
Psychrometers	0–100% RH	±2% RH	SOP-HMD-01
Humidity loggers (cargo/reefer containers)	0–100% RH	±2% RH	SOP-HMD-02
Sound level meters	30–130 dB	±1.0 dB	SOP-SPC-01
Vibration meters	0.5–500 mm/s	±5% reading	SOP-SPC-02
Marine compass calibration equipment	0–360°	±0.5°	SOP-SPC-03

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