Certificate No: LR25370600WC
Issue Date: 20/09/2025
Expiry Date: 19/09/2026

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Company	**Sumitomo Electric Toyama Co., Ltd.**
Address	10-2, Nagonoe, Izumi-shi, Toyama, 934-8522, Japan
Type of welding consumable	Section 9 - Solid Wire/Gas Shield
Trade name	Sumitomo A5183-WY/50%He-50%Ar
Welding Process	Gas Metal Arc Welding
Grade & Technique	WC1/I-4 S
Welding Positions	Downhand, horizontal-vertical, vertical upward and overhead only.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	0.8 - 1.6
Current	DC(+)
Remarks	Approved also for automatic multirun welding in the downhand position only.

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Sufair Shaikh

Welding Team - Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

Consumable 2nd Grade

Type of welding consumable	Section 9 - Solid Wire/Gas Shield
Trade name	Sumitomo A5183-WY/50%He-50%Ar
Welding Process	Gas Metal Arc Welding
Grade & Technique	WC1/I-4 T
Welding Positions	Downhand only.
Weld Type	Butt Welding Only.
Diameter (mm)	0.8 - 1.6
Current	DC(+)
Remarks	Application of two-run automatic welding is limited to plates of 50.00 mm maximum thickness.

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