Certificate No: LR26112081WC

Issue Date: 30/08/2025

Expiry Date: 29/08/2026

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	**Advanced Technology & Materials Co.,Ltd**
Address	No.76 Xueyuannanlu,, Haiding District, Beijing, 100081, China
Type of welding consumable	Section 5 - Flux-Cored Wire/Gas Shield
Trade name	AT-YJ502NiJ/CO2
Welding Process	Flux Cored Arc Welding
Grade & Technique	4YS
Welding Positions	Downhand, horizontal-vertical, vertical upward and downward, and overhead.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	1.2
Current	DC(+)
Remarks	Approved also for automatic multirun welding in the downhand position only. Approved low hydrogen consumable, conforming to standard H5.

Downloaded Copy

Arpit A

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

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR26112081WC
Issue Date: 30/08/2025
Expiry Date: 29/08/2026

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

Consumable 2nd Grade

Type of welding consumable	Section 5 - Flux-Cored Wire/Gas Shield
Trade name	AT-YJ502NiJ/CO2
Welding Process	Flux Cored Arc Welding
Grade & Technique	4YM
Welding Positions	Downhand only.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	1.2
Current	DC(+)
Remarks	Approved low hydrogen consumable, conforming to standard H5.

Downloaded Copy

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.