

Approval Certificate for Manufacturing Process

[Rolled Steels]



Initial Approval 30 June 2023

Manufacturer Hunan Valin Lianyuan Iron & Steel Co., Ltd.
Huangnitang Town, Louxing District, Loudi City, Hunan Province China

Product Description Coils and De-coiled Plates for Hull Structure

- Grade : A, B, D
AH32, DH32
AH36, DH36
- Steel making : Basic oxygen furnace
Continuous casting
- Deoxidation : Killed
- Grain refining : Al+Ti+Nb for AH32, DH32, AH36, DH36
- Thickness : Max. 25 mm for A, B, D
Max. 20 mm for AH32, DH32, AH36, DH36
- Heat treatment : Controlled rolling for A, B, D
Thermo-mechanical controlled processing for
AH32, DH32, AH36, DH36

Approval Condition Individual Product Certification is required.

THIS IS TO CERTIFY that the manufacturing process for the above mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and/or of the recognized standards as follows.

Pt 2, Ch 1, Sec 3 of the Rules for Classification of Steel Ships

This Certificate is valid until 29 June 2028

Issued at Shanghai, China on 30 June 2023



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME23027149632) and certificate No.(NIB46652-SP001).



KOREAN REGISTER

*General Manager of
China Plan Approval Center
CHINA KR Co., Ltd.*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.