



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB152123WS**

This is to certify that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	Hot Rolled Steel Plates
<i>Type</i>	A/B/D/AH32/DH32/AH36/DH36
<i>Manufacturer</i>	Hunan Valin Lianyuan Iron & Steel Co., Ltd.
<i>Place of manufacture</i>	Huangnitang, Loudi (Hunan) CHINA
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA China Marine** on **June 17, 2023.** *This Certificate is valid until* **May 25, 2028**



**RINA Services S.p.A.
Yongjun Pan**

This certificate consists of this page and 1 enclosure

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A/B/D/AH32/DH32/AH36/DH36

APPROVAL CONDITIONS

Hot rolled coils and plate from coils approval as following:

Grades	Steelmaking ¹	Deoxidation	Fine grain elements	Delivery condition ²⁾	Max. thickness (mm)
A;B;D	BOC+CC	killed	Al	TMCP	25
AH32;DH32; AH36;DH36	BOC+CC	killed	Al+Ti+Nb	TMCP	20

Remarks:

1) BOC: Basic Oxygen Converter; CC: Continuous Casting;

2) TMCP: Thermo-Mechanical controlled processing;

Survey conditions:

The plates are to be in compliance in all respects with the relevant RINA Rules and are to be tested accordingly.

General conditions for the approval

-The approval is granted on condition that the RINA Rules for the approval , manufacture, testing and certification of materials are complied with in all respects .

-RINA is to be notified of any change of materials , manufacturing process , quality control routines that may affect the validity of this certificate .

RINA China Marine June 17, 2023