



CERTIFICATE NUMBER

STML-0398100

ISSUING OFFICE

Houston Materials

# CERTIFICATE OF STEEL MILLS FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

**TUNG HO STEEL ENTERPRISE CORP. KAOHSIUNG WORKS**

NO. 8, JIAXING ST., XIAOGANG DIST.,,

KAOHSIUNG, Taiwan Region, 812010

attend its facilities as indicated in the ABS City Kaohsiung Port port office survey report number 7190956 dated 24 September 2025 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

## ***Section components for marine applications***

in accordance with the ABS Approval letter (Reference WO0398100), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 23 September 2030 subject to adherence to relevant ABS Rules and Survey requirements.



---

**Marcus Cridland**  
**Chief Metallurgist, ABS**

ISSUE DATE: 24 September 2025

EXPIRY DATE: 23 September 2030

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



**Work Order - WO0398100  
Steel Mill Approval - Renewal  
Certificate No. STML-0398100**

Attention: TUNG HO STEEL ENTERPRISE CORP. KAOHSIUNG WORKS (WCN:  
183088)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture products for hull application as outlined in the process/product approval.

- ABS RULES FOR MATERIALS AND WELDING PART 2 (2025)

Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request renewal of approval prior to the five-year expiry date.

Refer to attachments, Process/Product Approval; Manufacturer Approval Certificate (STML-0398100).

For any clarifications, contact James Oehrle at [JOehrle@eagle.org](mailto:JOehrle@eagle.org).

Very truly yours,

Gareth Burton  
Senior Vice President of Engineering

Electronically Signed by: Satya Meruva

Documents List

Drawing No.	Rev. No.	Title	Status
10673865	-	ISO 9001-2015	Filed by ABS for Reference Only
Attachment 1	-	TUNG HO KAOHSIUNG (ABS Marine Steel) - Mechanical Properties Test Data	Reviewed
Attachment 2	-	No Change Declaration	Reviewed
Attachment 4	-	No Non-Conformances Declaration	Reviewed

Electronic copies of the documents, appropriately stamped, are available in the ABS MyFreedom™ Client Portal.

Process/Product Approval

Certificate No. STML-0398100

Product	Grade	Thickness	Fine Grain Practice	Casting Practice <sup>1</sup>	Delivery condition <sup>1</sup>
<b>Approved Grades</b>					
Section (U-Channel, H-Beam)	ABS – A	18 mm	AI	CC	CR
Section (U-Channel, H-Beam)	ABS – AH*/DH32*/36	18 mm	AI+V	CC	CR
Section (U-Channel, H-Beam)	ABS – AH*/DH40	18 mm	AI+V	CC	CR
<b>Steel Making Practice<sup>1</sup>: EAF</b>					
<b>Deoxidation Practice:</b> Si Killed					
<b>Heat treatment Facility:</b> In-house					
<b>Ingot Supplier:</b> Tung Ho Steel Enterprise Corp, Miao-Li Works (581513)					

\* Approval of these grades is based on qualification tests carried out on the higher grade.

**Note 1:**

- a. EAF: Electric Arc Furnace
- b. CC: Continuous Casting
- c. CR: Control Rolled