



# American Bureau of Shipping

## Container Corner Casting Production Certificate

(This Certificate is valid only when endorsed by an ABS Surveyor)

Date: March.3,2023

Certificate No.: SQ5167985-D

Design Type No.: AB/CCC- 728 / 14 -

THIS IS TO CERTIFY that the herein described Container Corner Castings have been manufactured and tested in accordance with the American Bureau of Shipping Rules for Certification of Cargo Containers and with the specification of ISO 1161.

Manufacturer: Jiangsu Hansheng Machinery Manufacturing Co.,Ltd

Purchaser: Yangzhou Tongjee Reefer Container Co.Ltd

These corner castings were manufactured in accordance with drawings reviewed on April 04, 2014

Task no. 1173957, under General Arrangement drawing number JSHS-01,02,03,04

This certificate is for 53 Sets of corner castings, model number JSHS-ISO, manufactured during the month of March 2023. These corner castings comply with material specification /SCW480

as evidenced by the chemical and mechanical test data attached to this certificate.

Nondestructive Testing: Radiographic ☐  
Ultrasonic ☒

Heat Treatment Condition:

Annealed ☐  
Normalized ☐  
Normalized and tempered ☒

That these castings have been thoroughly inspected and tested at each stage of manufacture by our inspection department under quality control surveillance of the American Bureau of Shipping, and are marked as follows:

Serial/heat

No.: See attached manufacturer's certificate no. HSJX-Z CB20230303, Date 2023-3

2023-03

Date

Liang Pengjun

Liang Pengjun In Charge of Quality Control

The undersigned has carried out quality control surveillance at the above plant and considers these corner castings to be eligible to become part of an ABS/ISO certified container.

2023-02-1

Date

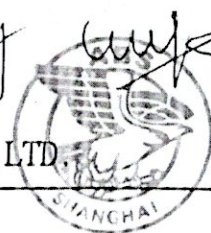
Surveyor  
Wang Wente

53sets in this certificate denotes 38pieces of TL, 100pieces of TR, 100pieces of BL, 112pieces of BR, 112

NOTE: This certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This certificate is a representation only that the container specified herein has been found to comply with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any Report issued 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.



ABS Certificate No: 52567895-D Reissued by  
江苏瀚晟机械制造有限公司  
JIANGSU HANSHENG MACHINERY MANUFACTURING CO., LTD.



扫描全能王 创建



### 集装箱铸造角件产品检验合格证书

Certificate of Inspection Eligible of Container Corner Casting

检定证号 Number of certificate of inspection: HSJX-ZCB20220479

设计型号 Design Type: AB/CCC-728/14

客户名 Customer Name: 扬州通利冷藏集装箱有限公司

该份检验证书适用炉号 This certificate is suited to the casting identification No.:  
0230216/0230221/0230315/0230322

数量 Quantity: 424 只 (TL-100 只, TR-100 只, BL-112 只, BR-112 只)

制造日期 Date of manufacture: 2023 年 3 月 / Sept, 2023

材料牌号 Material: SCW480

| 化学成份<br>Chemical composition | 含量<br>Content | 机械性能<br>Mechanical property                            | 标准数值<br>Standard   |
|------------------------------|---------------|--------------------------------------------------------|--------------------|
| 碳 C max                      | 0.20%         | 抗拉强度 $\sigma_b$ (N/mm <sup>2</sup> ) Tensile           | $\geq 450$         |
| 锰 Mn                         | 0.9~1.5%      | 屈服强度 $\sigma_s$ (N/mm <sup>2</sup> )<br>Yield strength | $\geq 275$         |
| 硅 Si max                     | 0.5%          | 延伸率 $\delta_5$ %<br>Elongation                         | $\geq 25$          |
| 硫 S max                      | 0.035%        | 断面收缩率 $\psi$ %<br>Reduction of area                    | $\geq 40$          |
| 磷 P max                      | 0.035%        | 低温冲击<br>Low temperature impact                         | -40℃<br>$\geq 21J$ |

识别标志 Identification marking: HS

无损检验 Non-damage Inspection: 超声波探伤 Ultrasonic ☐ X-光探伤 X-ray ☒

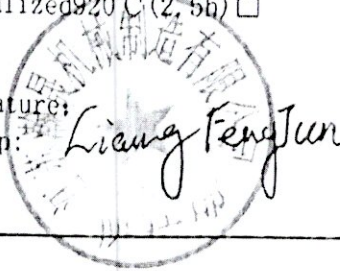
热处理工艺 Heat treatment technology:

正火 Normalized 920℃ (2.5h) ☐ 空冷 Cooling in air ☐

签字 Signature:

日期 Date: 2023. 03. 28

盖章 Stamp:



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