



南京钢铁股份有限公司 (地址: 南京市六合区大厂卸甲甸)  
NanJing Iron&Steel Company Limited  
TEL: +86-25-57076980 FAX: +86-25-57076980  
E-mail: ng315@njsteel.com.cn  
质量记录编号: JL100508/B 250222P00026 1-1

# 质量证明书

## MILL TEST CERTIFICATE

|                           |                                                                              |                            |             |                          |                                                                 |
|---------------------------|------------------------------------------------------------------------------|----------------------------|-------------|--------------------------|-----------------------------------------------------------------|
| 客户名称<br>SOLD TO           | 南京钢铁集团国际经济贸易有限公司                                                             | 客户编号<br>CUSTOMER NO.       | JS0027      | 产品名称<br>PRODUCT          | 热处理钢板<br>Heat treated plates<br>耐磨钢<br>Abrasion resistant steel |
| 收货单位<br>SEND TO           | To Whom It May Concern                                                       | 客户采购案号<br>CONTRACT NO.     | 24JTES/P110 | 发货通知单号<br>REFERENCE NO.  | T25020323                                                       |
| 技术条件<br>SPEC.             | JX/NG 21176-2018 ; NiRes 500<br>探伤标准 (Flaw Detection Standard): EN10160 S1E1 | 合同编号<br>CONTRACT NO.       |             | 证明书编号<br>CERTIFICATE NO. | 250222P00026                                                    |
| 许可证号<br>APPROVALCERF. NO. |                                                                              | 交货状态<br>DELIVERY CONDITION | QT          | 车船号码<br>TRAIN/SHIP NO.   | 苏A1D018                                                         |
|                           |                                                                              |                            |             | 订单编号<br>ORDERITEM NO.    | OM824120111                                                     |
|                           |                                                                              |                            |             | 证明书日期<br>T/C ISSUE DATE  | 2025/02/22                                                      |

| 订单<br>项次<br>OREDR<br>ITEM<br>NO | 产品编号<br>PRODUCT No. | 试片编号/批号<br>SAMPLE ID/LOT NO. | 规格 (mm)<br>DIMENSIONS  | 重量<br>WEIGHT<br>t | 分析<br>区域<br>A. A | 化学成分<br>CHEMICAL ANALYSIS (wt%) |                  |                  |                  |                  |                  |                  |                  |                  |             | 拉伸试验<br>A0 G. L. =C |             |    | CAT<br>冲击<br>温度 | CA<br>冲击<br>单值<br>1 | CA<br>冲击<br>单值<br>2 | CA<br>冲击<br>单值<br>3 | CAve<br>冲击<br>均值 | CAT<br>追加<br>冲击<br>温度 | CA<br>追加<br>冲击<br>单值 | CA<br>追加<br>冲击<br>单值 | CA<br>追加<br>冲击<br>单值 | CAve<br>追加<br>冲击<br>均值 | D1<br>硬<br>度<br>试<br>验 | U. T<br>探<br>伤<br>试<br>验 |
|---------------------------------|---------------------|------------------------------|------------------------|-------------------|------------------|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------|---------------------|-------------|----|-----------------|---------------------|---------------------|---------------------|------------------|-----------------------|----------------------|----------------------|----------------------|------------------------|------------------------|--------------------------|
|                                 |                     |                              |                        |                   |                  | C                               | Si               | Mn               | P                | S                | Cr               | B                | Mo               | Ni               | 屈服<br>Y. S. | 抗拉<br>T. S.         | 伸长<br>E. L. |    |                 |                     |                     |                     |                  |                       |                      |                      |                      |                        |                        |                          |
|                                 |                     |                              |                        |                   |                  | X10 <sup>2</sup>                | X10 <sup>2</sup> | X10 <sup>2</sup> | X10 <sup>3</sup> | X10 <sup>3</sup> | X10 <sup>2</sup> | X10 <sup>4</sup> | X10 <sup>2</sup> | X10 <sup>3</sup> | ReL<br>MPa  | Rm<br>MPa           | %           |    |                 |                     |                     |                     |                  |                       |                      |                      |                      |                        |                        |                          |
| 003                             | 24111238310101      | 24111238310111               | 20. 00*2000. 0*6000. 0 | 1. 884            | L                | 29                              | 29               | 94               | 14               | 1                | 64               | 16               | 0. 4             | 50               | 1330        | 1625                | 14. 0       | 20 | 54              | 54                  | 54                  | 54                  | -20              | 36                    | 36                   | 42                   | 38                   | 504                    | ACC                    |                          |
| 003                             | 24111238400101      | 24111238310111               | 20. 00*2000. 0*6000. 0 | 1. 884            | L                | 29                              | 29               | 94               | 14               | 1                | 64               | 16               | 0. 4             | 50               | 1330        | 1625                | 14. 0       | 20 | 54              | 54                  | 54                  | 54                  | -20              | 36                    | 36                   | 42                   | 38                   | 504                    | ACC                    |                          |
| 本页总计 (TOTAL):                   |                     |                              |                        |                   |                  | 2                               | 3. 768           |                  |                  |                  |                  |                  |                  |                  |             |                     |             |    |                 |                     |                     |                     |                  |                       |                      |                      |                      |                        |                        |                          |



注释NOTES

交货状态=淬火+回火Quenching and tempering  
A. A=分析区域 Analysis region:  
L=熔炼成分 Smelting Composition;  
C=成品成分 Composition of product;  
冲击Impact: 缺口形状 Notch shape=V  
试样规格 Test piece size10x10x55mm  
硬度=布氏硬度HBW10/3000  
ACC=Accepted  
G. L=Gauge Length拉伸标距 C:L0=50 mm  
Y. S=Yield Strength  
T. S=Tensile Strength

E. L=Percentage Elongation After Fracture  
CAT=Charpy Impact Test Temp  
CA=Charpy Absorbed Energy  
CAve=Charpy Absorbed Energy Ave.  
D1=Average Hardness Value (HB)  
D11=D12=D13=Single Hardness Value (HB)  
U. T=Ultrasonic Testing  
EN 10204 3.1

产品编号前8位为冶炼炉号:The first 8 digits of product No. are heat number 外观和尺寸检验均合格 VISUAL INSPECTION(SURFACE) AND DIMENSION CHECK:OK

兹证明本文所列产品, 均依材料标准制造及试验, 并符合标准及订单技术要求, 不含有辐射元素。

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH  
SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION & P. O.  
THE PRODUCTS DON'T CONTAIN RADIOCHEMICAL

质量负责人  
CHIEF OF INSPECTOR

检验站站长  
INSPECTION STATION

323-

