



日钢营口中板有限公司  
RIZHAO STEEL YINGKOU MEDIUM PLATE CO.,LTD.  
辽宁省营口市老边区冶金街/115005  
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产品质量证明书  
INSPECTION CERTIFICATE



|                       |                        |                                            |                       |
|-----------------------|------------------------|--------------------------------------------|-----------------------|
| 订货单位<br>PURCHASER     | HYUNDAICORPORATION     | 普通碳素结构钢<br>General carbon structural steel |                       |
| 收货单位<br>CONSIGNEE     | HYUNDAICORPORATION     | YGR1ZANN240583008-01                       |                       |
| 技术标准/牌号<br>SPEC/GRADE | ASTM A36/A36M;ASTM A36 | 热轧(AR)                                     | 签发日期<br>DATE OF ISSUE |
|                       |                        | 20240708                                   |                       |
| 车号<br>TRAINNO.        | 240708Z00063           |                                            |                       |

| 炉号<br>HEATNO. | 批号<br>LOTNO. | 钢板号<br>PLATENO. | 规格<br>(MM)<br>DIMENSION | 数量<br>QTY | 重量<br>WEIGHT<br>kg | 分析<br>区域<br>AA | 化学成分<br>CHEMICAL ANALYSIS% |                  |                  |                  |                  |                  |                  |                  |                  |                  | C                | C                | C                    | C                         | B                   | A                        | A                   | A                    | A                    |                       |
|---------------|--------------|-----------------|-------------------------|-----------|--------------------|----------------|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|---------------------------|---------------------|--------------------------|---------------------|----------------------|----------------------|-----------------------|
|               |              |                 |                         |           |                    |                | C                          | Si               | Mn               | P                | S                | CEV              | Cr               | Mo               | V                | Ni               | Cu               | 0A01<br>屈服<br>强度 | 0A02<br>抗<br>拉<br>强度 | 0A03<br>断后<br>伸<br>长<br>率 | 0A04<br>屈<br>强<br>比 | 0B01<br>弯<br>曲<br>试<br>验 | 0C01<br>单<br>值<br>A | 0C012<br>单<br>值<br>B | 0C013<br>单<br>值<br>C | 0C02<br>均<br>值<br>Ave |
|               |              |                 |                         |           |                    |                | $\times 10^{-3}$           | $\times 10^{-3}$ | $\times 10^{-3}$ | $\times 10^{-4}$ | $\times 10^{-4}$ | $\times 10^{-2}$ | $\times 10^{-3}$ | $\times 10^{-4}$ | $\times 10^{-3}$ | $\times 10^{-4}$ | $\times 10^{-4}$ | $\times 10^{-3}$ | MPa                  | MPa                       | %                   |                          | d=3a<br>180°        | J                    | J                    | J                     |
| 24305847B     | S47060041    | S4705390101     | 65x2000x6000            | 1         | 6.123              | L              | 174                        | 182              | 854              | 150              | 44               | 32               | 33               | 2.0              | 1                | 110              | 6                | 303              | 470                  | 32                        | 0.64                | OK                       | 165                 | 165                  | 185                  | 172                   |
| 24305847B     | S47060041    | S4705390102     | 65x2000x6000            | 1         | 6.123              | L              | 174                        | 182              | 854              | 150              | 44               | 32               | 33               | 2.0              | 1                | 110              | 6                | 303              | 470                  | 32                        | 0.64                | OK                       | 165                 | 165                  | 185                  | 172                   |
| 合计(TOTAL):    |              |                 |                         | 2         | 12.246             |                |                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                      |                           |                     |                          |                     |                      |                      |                       |

注释  
NOTES

L: 熔炼成分 SMELTING COMPOSITION  
拉伸标距(GAUGE LENGTH) Lo=50 mm  
A0C冲击试验IMPACT TEST: 20℃, 纵向LONGITUDINAL,  
1/4位置 1/4 LOCATION, 尺寸SIZE 10\*10\*55  
C0A01=YIELD STRENGTH  
C0A02=TENSILE STRENGTH  
C0A03=PERCENTAGE ELONGATION AFTER FRACTURE

C0A04=YIELD STRENGTH RATIO  
B0B01=BEND TEST  
A0C01=IMPACT TEST A  
A0C012=IMPACT TEST B  
A0C013=IMPACT TEST C  
A0C02=IMPACT AVERAGE

According to EN 10204 3.1

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本产品已按照标准要求进行制造和检验, 其结果符合要求, 特此证明。  
WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HAS MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION

冶金技术处处长  
DIRECTOR OF METALLURGICAL DEPARTMENT

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