



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     | CUMIC STEEL LIMITED | 产品名称<br>PRODUCT            | 普通碳素结构钢<br>General carbon structural steel |                       |          |
| 收货单位<br>CONSIGNEE     | CUMIC STEEL LIMITED | 合同编号<br>CONTRACT NO.       | YGR1ZANN240485002-05                       |                       |          |
| 技术标准/牌号<br>SPEC/GRADE | ASTM A36/A36M-2019  | 交货状态<br>DELIVERY CONDITION | 热轧(AR)                                     | 签发日期<br>DATE OF ISSUE | 20240608 |
| 车号<br>TRAIN NO.       |                     | 证明书编号<br>CERTIFICATE NO.   | 240608Z00591                               |                       |          |



| 炉号<br>HEAT NO. | 批号<br>LOT NO. | 钢板号<br>PLATE NO. | 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 % |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   | B<br>0A01         | B<br>0A02         | B<br>0A03   | B<br>0A04        | B<br>0B01             | A<br>0C01             | A<br>0C012            | A<br>0C013              | A<br>0C02 |
|----------------|---------------|------------------|-------------------------|-----------|--------------------|----------------|-----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------|
|                |               |                  |                         |           |                    |                | C                           | Si                | Mn                | P                 | S                 | CEV               | Cr                | Mo                | V                 | Ni                | Cu                | Nb                | Ti                | 屈服<br>强度          | 抗<br>拉<br>强度      | 断后<br>伸<br>长<br>率 | 屈<br>强<br>比 | 弯<br>曲<br>试<br>验 | 冲<br>击<br>单<br>值<br>A | 冲<br>击<br>单<br>值<br>B | 冲<br>击<br>单<br>值<br>C | 冲<br>击<br>单<br>值<br>Ave |           |
|                |               |                  |                         |           |                    |                | x10 <sup>-3</sup>           | x10 <sup>-3</sup> | x10 <sup>-3</sup> | x10 <sup>-4</sup> | x10 <sup>-4</sup> | x10 <sup>-2</sup> | x10 <sup>-3</sup> | x10 <sup>-4</sup> | x10 <sup>-4</sup> | MPa<br>Rp0.2      | MPa<br>Rm   | %<br>B5          |                       | d=3a<br>180°          | J                     | J                       | J         |
| 24108581A      | S46030001     | S4602467101      | 6x2440x12000            | 1         | 1,379              | L              | 134                         | 148               | 836               | 200               | 72                | 30                | 112               | 30                | 1                 | 440               | 9                 | 20                | 20                | 315               | 445               | 27                | 0.71        | OK               | 100                   | 88                    | 91                    | 93                      |           |
| 24108581A      | S46030001     | S4602467201      | 6x2440x12000            | 1         | 1,379              | L              | 134                         | 148               | 836               | 200               | 72                | 30                | 112               | 30                | 1                 | 440               | 9                 | 20                | 20                | 315               | 445               | 27                | 0.71        | OK               | 100                   | 88                    | 91                    | 93                      |           |
| 24108581A      | S46030001     | S4602467301      | 6x2440x12000            | 1         | 1,379              | L              | 134                         | 148               | 836               | 200               | 72                | 30                | 112               | 30                | 1                 | 440               | 9                 | 20                | 20                | 315               | 445               | 27                | 0.71        | OK               | 100                   | 88                    | 91                    | 93                      |           |
| 合计(TOTAL):     |               |                  |                         | 3         | 4,137              |                |                             |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |             |                  |                       |                       |                       |                         |           |

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| 注释<br>NOTES | <p>L: 熔炼成分 SMELTING COMPOSITION<br/>拉伸标距(GAUGE LENGTH) Lo=200 mm<br/>A0C冲击试验IMPACTTEST: 20, 纵向LONGITUDINAL, 近表 CLOSE TO SURFACE, 尺寸SIZE10*5*55<br/>B0A01=YIELD STRENGTH<br/>B0A02=TENSILE STRENGTH<br/>B0A03=PERCENTAGE ELONGATION AFTER FRACTURE</p> <p>B0A04=YIELD STRENGTH RATIO<br/>B0B01=BEND TEST<br/>A0C01=IMPACT TEST A<br/>A0C012=IMPACT TEST B<br/>A0C013=IMPACT TEST C<br/>A0C02=IMPACT AVERAGE</p> <p>According to EN 10204 3.1</p> |
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|  | <p>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。<br/>WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HAS MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION</p> | <p>冶金技术处处长<br/>DIRECTOR OF METALLURGICAL DEPARTMENT</p> <p>殷新刚</p> |
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