



敬业 (营口) 中板有限公司  
JINGYE (YINGKOU) MEDIUM PLATE CO.LTD.

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# 产品质量证明书

## INSPECTION CERTIFICATE



|                       |                      |                            |                          |                           |            |
|-----------------------|----------------------|----------------------------|--------------------------|---------------------------|------------|
| 订货单位<br>PURCHASER     | CUMIC STEEL USA, INC | 产品名称<br>PRODUCT            | 船用钢板<br>Hull Steel plate |                           |            |
| 收货单位<br>CONSIGNEE     | CUMIC STEEL USA, INC | 合同编号<br>CONTRACT NO.       | YGCAZANN251183005-01     |                           |            |
| 技术标准/牌号<br>SPEC/GRADE | LR RULES;LRB         | 交货状态<br>DELIVERY CONDITION | 正火轧制(NR)                 | 签发日期<br>DATE OF ISSUE     | 20260121   |
|                       |                      | 证书编号<br>CERTIFICATE NO.    | 260121Z00858             | 控制号<br>CONTROL NUMBER     | DLN2600031 |
| 车号<br>TRAIN NO.       |                      | 船号<br>HULL NO.             |                          | 是否保性能<br>GUARANTEE OR NOT | 是<br>YES   |

| 炉号<br>HEAT NO. | 批号<br>LOT NO. | 钢板号<br>PLATE NO. | 分段号<br>SECTION NO. | 规格<br>(MM)<br>DIMENSION | 数量<br>QTY | 重量<br>WEIGHT<br>kg | 化学成分<br>CHEMICAL ANALYSIS % |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | B<br>0A01<br>屈<br>服<br>强<br>度 | B<br>0A02<br>抗<br>拉<br>强<br>度 | B<br>0A03<br>断<br>后<br>伸<br>长<br>率 | A<br>0C01<br>冲<br>击<br>单<br>值<br>A | A<br>0C02<br>冲<br>击<br>单<br>值<br>B | A<br>0C03<br>冲<br>击<br>单<br>值<br>C | A<br>0C02<br>冲<br>击<br>均<br>值<br>Ave |                      |                      |     |     |   |   |   |   |   |  |  |  |  |  |  |  |
|----------------|---------------|------------------|--------------------|-------------------------|-----------|--------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------------------|----------------------|----------------------|-----|-----|---|---|---|---|---|--|--|--|--|--|--|--|
|                |               |                  |                    |                         |           |                    | C                           | Si                   | Mn                   | P                    | S                    | Als                  | Ti                   | Nb                   | Ni                   | Cr                   | Cu                   | Mo                   | CeqA                 | ReH                  |                               |                               |                                    |                                    |                                    |                                    |                                      | Rm                   | %                    | J   | J   | J | J |   |   |   |  |  |  |  |  |  |  |
|                |               |                  |                    |                         |           |                    | <sup>-3</sup><br>x10        | <sup>-2</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-4</sup><br>x10 | <sup>-4</sup><br>x10 | <sup>-4</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-4</sup><br>x10 | <sup>-3</sup><br>x10 | <sup>-3</sup><br>x10 |                               |                               |                                    |                                    |                                    |                                    |                                      | <sup>-4</sup><br>x10 | <sup>-3</sup><br>x10 | MPa | MPa | % | J | J | J | J |  |  |  |  |  |  |  |
| 26100591A      | S61110072     | S6113428101      |                    | 6x2440x12000            | 1         | 1,379              | 137                         | 19                   | 799                  | 18                   | 3                    | 32                   | 150                  | 2.0                  | 190                  | 37                   | 10                   | 30                   | 270                  | 313                  | 438                           | 35                            | 282                                | 256                                | 243                                | 260                                |                                      |                      |                      |     |     |   |   |   |   |   |  |  |  |  |  |  |  |
| 合计(TOTAL):     |               |                  |                    |                         | 1         | 1,379              |                             |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                               |                               |                                    |                                    |                                    |                                    |                                      |                      |                      |     |     |   |   |   |   |   |  |  |  |  |  |  |  |

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| 注释<br>NOTES | <p>L: 熔炼成分 SMELTING COMPOSITION<br/>拉伸标距(GAUGE LENGTH) Lo=5.65 S0 mm<br/>A0C冲击试验IMPACT TEST: 0, 纵向LONGITUDINAL, 近表 CLOSE TO SURFACE, 尺寸SIZE10*5*55<br/>CeqA=C+Mn/6<br/>B0A01=YIELD STRENGTH<br/>B0A02=TENSILE STRENGTH</p> <p>According to EN 10204 3.2</p> | <p>B0A03=PERCENTAGE ELONGATION AFTER FRACTURE<br/>A0C01=IMPACT TEST A<br/>A0C012=IMPACT TEST B<br/>A0C013=IMPACT TEST C<br/>A0C02=IMPACT AVERAGE</p> |
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|  | <p>我们在此证明此材料采用已被认可的方法制造, 并且经检验符合LR船级社规范的要求。<br/>We hereby certify that the material has been made by an approved process and satisfactorily tested in accordance with the Rules of Lloyd 's Register.</p> | <p>技术中心<br/>Technology Center</p> | <p>验船师<br/>SURVEYOR</p>   |
|  |   | <p>郑治龙</p>                        | <p>S.J. He<br/>Dalian Office<br/>Lloyd's Register Classification Society China Co Ltd<br/>18021.1.2016.06</p> |