



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
Yejinstreet,Laobianidistrict,Yingkou,Liaoning,P.R.China/115005
TEL:0417-3256081 FAX:0417-3256057 NO.:DT2101501/A

产品质量证明书
INSPECTION CERTIFICATE



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| 订货单位 PURCHASER | CUMIC STEEL USA, INC | 产品名称 PRODUCT | 普通碳素结构钢 General carbon structural steel | | |
| 收货单位 CONSIGNEE | CUMIC STEEL USA, INC | 合同编号 CONTRACTNO. | YGR1ZANN231183006-02 | | |
| 技术标准/牌号 SPEC/GRADE | ASTM A36/A36M-2019;ASTM A36 | 交货状态 DELIVERY CONDITION | 热轧(AR) | 签发日期 DATE OF ISSUE | 20240106 |
| 车号 TRAIN NO. | | 证明书编号 CERTIFICATE NO. | 240106Z00503 | | |



| 炉号 HEAT NO. | 批号 LOT NO. | 钢板号 PLATE NO. | 规格 (MM) DIMENSION | 数量 QTY | 重量 WEIGHT kg | 分析 区域 AA | 化学成分 CHEMICAL ANALYSIS % | | | | | | | | | | | | | | B 0A01 | B 0A02 | B 0A03 | B 0A04 | B 0B01 | A 0C01 | A 0C012 | A 0C013 | A 0C02 |
|----------------|---------------|------------------|-------------------------|-----------|--------------------|----------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------|------------------|-----------------------|-----------------------|-----------------------|-------------------------|-----------|
| | | | | | | | C | Si | Mn | P | S | CEV | Cr | Mo | V | Ni | Cu | Nb | Ti | 屈服 强度 | 抗 拉 强度 | 断后 伸 长 率 | 屈 强 比 | 弯 曲 试 验 | 冲 击 单 值 A | 冲 击 单 值 B | 冲 击 单 值 C | 冲 击 均 值 Ave | |
| | | | | | | | $\times 10^{-3}$ | $\times 10^{-3}$ | $\times 10^{-3}$ | $\times 10^{-4}$ | $\times 10^{-4}$ | $\times 10^{-2}$ | $\times 10^{-3}$ | $\times 10^{-4}$ | $\times 10^{-4}$ | MPa Rp0.2 | MPa Rm | % B5 | | d=3a 180° | J | J | J |
| 23122441A | 2410434 | 24A0052013 | 12x2440x6000 | 1 | 1,379 | L | 175 | 231 | 853 | 300 | 46 | 33 | 34 | 10 | 1 | 170 | 13 | 30 | 20 | 285 | 458 | 26.5 | 0.62 | OK | 160 | 170 | 186 | 172 | |
| 23122441A | 2410434 | 24A0052014 | 12x2440x6000 | 1 | 1,379 | L | 175 | 231 | 853 | 300 | 46 | 33 | 34 | 10 | 1 | 170 | 13 | 30 | 20 | 285 | 458 | 26.5 | 0.62 | OK | 160 | 170 | 186 | 172 | |
| 23122441A | 2410434 | 24A0052015 | 12x2440x6000 | 1 | 1,379 | L | 175 | 231 | 853 | 300 | 46 | 33 | 34 | 10 | 1 | 170 | 13 | 30 | 20 | 285 | 458 | 26.5 | 0.62 | OK | 160 | 170 | 186 | 172 | |
| 23122441A | 2410434 | 24A0052016 | 12x2440x6000 | 1 | 1,379 | L | 175 | 231 | 853 | 300 | 46 | 33 | 34 | 10 | 1 | 170 | 13 | 30 | 20 | 285 | 458 | 26.5 | 0.62 | OK | 160 | 170 | 186 | 172 | |
| 合计(TOTAL): | | | | 4 | 5,516 | | | | | | | | | | | | | | | | | | | | | | | | |

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| 注释 NOTES | <p>L: 熔炼成分 SMELTING COMPOSITION 拉伸标距(GAUGE LENGTH) Lo=200 mm A0C冲击试验IMPACTTEST: 20, 纵向LONGITUDINAL, 近表 CLOSE TO SURFACE, 尺寸SIZE10*10*55 B0A01=YIELD STRENGTH B0A02=TENSILE STRENGTH B0A03=PERCENTAGE ELONGATION AFTER FRACTURE</p> <p>B0A04=YIELD STRENGTH RATIO B0B01=BENDTEST A0C01=IMPACT TEST A A0C012=IMPACT TEST B A0C013=IMPACT TEST C 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。 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 DIRECTOR OF METALLURGICAL DEPARTMENT</p> <p>殷新刚</p> |
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