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

# 产品质量证明书
# INSPECTION CERTIFICATE

| | | | | | |
|---|---|---|---|---|---|
| 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 CONTRACT NO. | YGR1ZANN231183006-03 | | |
| 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 | 20231226 |
| | | 证明书编号 CERTFICATE NO. | 231226Z00287 | | |
| 车 号 TRAIN NO. | | | | | |

| 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 % C | Si | Mn | P | S | CEV | Cr | Mo | V | Ni | Cu | Nb | Ti | B0A01 屈服强度 MPa Rp0.2 | B0A02 抗拉强度 MPa Rm | B0A03 断后伸长率 % B5 | B0A04 屈强比 | B0B01 弯曲试验 d=3a 180° | A0C01 冲击单值A J | A0C012 冲击单值B J | A0C013 冲击单值C J | A0C02 冲击均值 Ave J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | $\times10^{-3}$ | $\times10^{-3}$ | $\times10^{-3}$ | $\times10^{-4}$ | $\times10^{-4}$ | $\times10^{-2}$ | $\times10^{-3}$ | $\times10^{-4}$ | $\times10^{-3}$ | $\times10^{-4}$ | $\times10^{-3}$ | $\times10^{-4}$ | $\times10^{-4}$ | | | | | | | | | |
| 23122648A | S3C250023 | S3C25025101 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25025201 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25025301 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25026101 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25026201 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25026301 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25027101 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25027201 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25027301 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25029101 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25029201 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| 23122648A | S3C250023 | S3C25029301 | 10x2440x12000 | 1 | 2,298 | L | 166 | 218 | 829 | 220 | 47 | 32 | 53 | 30 | 1 | 240 | 15 | 40 | 30 | 327 | 480 | 26.5 | 0.68 | OK | 137 | 147 | 157 | 147 |
| | | | 合计(TOTAL): | 12 | 27,576 | | | | | | | | | | | | | | | | | | | | | | | |

**注释 NOTES**

L：熔炼成分 SMELTING COMPOSITION
拉伸标距(GAUGE LENGTH) Lo=200 mm
A0C冲击试验IMPACTTEST：20°C，纵向LONGITUDINAL，近表 CLOSE TO SURFACE，尺寸SIZE10*7.5*55
B0A01=YIELD STRENGTH
B0A02=TENSILE STRENGTH
B0A03=PRECENTAGE ELONGATION AFTER FRACTURE

B0A04=YIELD STRENGTH RATIO
B0B01=BENDTEST
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