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

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|---|---|---|---|---|---|
| 订货单位 PURCHASER | CUMIC STEEL LIMITED | 产品名称 PRODUCT | 普通碳素结构钢 General carbon structural steel | | |
| 收货单位 CONSIGNEE | CUMIC STEEL LIMITED | 合同编号 CONTRACT NO. | YGR1ZANN240783010 | | |
| 技术标准/牌号 SPEC/GRADE | ASTM A36/A36M-2019 | 交货状态 DELIVERY CONDITION | 热轧(AR) | 签发日期 DATE OF ISSUE | 20240828 |
| 车 号 TRAIN NO. | | 证明书编号 CERTIFICATE NO. | 240828Z00552 | | |

| 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 ×10⁻³ | Si ×10⁻³ | Mn ×10⁻³ | P ×10⁻⁴ | S ×10⁻⁴ | CEV ×10⁻² | Cr ×10⁻³ | Mo ×10⁻⁴ | V ×10⁻³ | Ni ×10⁻⁴ | Cu ×10⁻³ | Nb ×10⁻⁴ | Ti ×10⁻⁴ | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24114713D | S48240102 | S4824158101 | 20x2440x12000 | 1 | 4.597 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 310 | 463 | 31 | 0.67 | OK | 171 | 189 | 198 | 186 |
| 24114713D | S48240102 | S4824158201 | 20x2440x12000 | 1 | 4.597 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 310 | 463 | 31 | 0.67 | OK | 171 | 189 | 198 | 186 |
| 24114713D | S48240102 | S4824159101 | 20x2440x12000 | 1 | 4.597 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 310 | 463 | 31 | 0.67 | OK | 171 | 189 | 198 | 186 |
| 24114713D | S48240102 | S4824159201 | 20x2440x12000 | 1 | 4.597 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 310 | 463 | 31 | 0.67 | OK | 171 | 189 | 198 | 186 |
| 24114713D | S48240102 | S4824160101 | 20x2440x12000 | 1 | 4.597 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 310 | 463 | 31 | 0.67 | OK | 171 | 189 | 198 | 186 |
| 24114713D | S48240102 | S4824160201 | 20x2440x12000 | 1 | 4.597 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 310 | 463 | 31 | 0.67 | OK | 171 | 189 | 198 | 186 |
| 24114713D | S48240104 | S4824165101 | 38x2440x12000 | 1 | 8.734 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 306 | 460 | 25.5 | 0.67 | OK | 243 | 248 | 206 | 232 |
| 24114713D | S48240104 | S4824166101 | 38x2440x12000 | 1 | 8.734 | L | 184 | 184 | 852 | 220 | 147 | 34 | 52 | 10 | 2 | 320 | 8 | 30 | 30 | 306 | 460 | 25.5 | 0.67 | OK | 243 | 248 | 206 | 232 |
| | | | 合计(TOTAL): | 8 | 45.050 | | | | | | | | | | | | | | | | | | | | | | | |

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℃，纵向LONGITUDINAL，
近表 CLOSE TO SURFACE，尺寸SIZE10*10*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

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

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冶金技术处处长
DIRECTOR OF METALLURGICAL DEPARTMENT