



金桥焊材®

TIANJIN GOLDEN BRIDGE WELDING MATERIALS GROUP CO., LTD
天津市金桥焊材集团股份有限公司

MILL CERTIFICATE 产品质量证明书

NO. 890000285190

GB/T 19001-2016/ISO 9001:2015

Commodity 品名	Trade Model 牌号	GB Model 国标型号	AWS Model 美标型号	ISO Model ISO型号	Size 规格	Batch No. 批号
碳钢焊条	J38.12 (J421)	E4313	E6013	ISO 2560-A-E 35 0 R 12	3.2	21061645

Execute Standard 执行标准

GB/T 5117-2012及AWS A5.1及ISO 2560

Chemical Composition of Deposited Metal 熔敷金属化学成分 (%)		Mechanical Properties of Deposited Metal 熔敷金属力学性能		Others 其他	
Items 项目	Requirement 标准要求	Test Result 实测值	Items 项目	Requirement 标准要求	Test Result 实测值
C	≤0.20	0.058	Tensile Strength 抗拉强度 R_m (N/mm ²)	430—560	501
S	≤0.035	0.020			
Mn	≤1.20	0.30	Yield Strength 屈服强度Rel.(MPa)	≥330	402
Si	≤1.00	0.17			
P	≤0.040	0.018	Percentage Elongation after Fracture 伸长率A (%)	≥22	28.5
Cr	≤0.20	0.038			
Ni	≤0.30	0.10	V-notch Impact Test V型缺口冲击试验	Impact Temp. 试验温度(°C)	0
Mo	≤0.30	0.006			
V	≤0.08	0.006	Absorbed Energy 吸收能量KV ₂ (J)	≥47	72、69、70

CCS, LR, BV, ABS, DNVGL, NK, BKI

Approved by
产品认证

Complied with CCS 《Rules for Materials and Welding》
足CCS《材料与焊接规范》

OID: 80837074

WE HEREBY CERTIFY THAT THIS REPORT IS CORRECT AND THAT ALL TEST RESULTS ARE IN COMPLIANCE WITH THE SPECIFICATION DESCRIBED HEREIN. THE MANUFACTURING PROCESS OF OUR PRODUCT IS IN ACCORDANCE WITH THE CERTIFICATION CONDITION. WE ARE RESPONSIBLE FOR THE QUALITY OF OUR PRODUCTS.
兹证明此报告所载实测结果皆正确并符合适用规范要求。产品的生产制造过程与认可条件保持一致。我们承诺对该产品质量负责。

制表: 张秀兰 审核: **张秋彦**
制表日期: 2021年07月12日

QUALITY ASSURANCE DEPARTMENT
质量保证部

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