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 LIMITED	产品名称 PRODUCT	船用钢板 Hull Steel plate		
收货单位 CONSIGNEE	CUMIC STEEL LIMITED	合同编号 CONTRACT NO.	YGR1ZANN240783010-03		
技术标准/牌号 SPEC/GRADE	LR RULES ; LRB	交货状态 DELIVERY CONDITION	正火轧制(NR)	签发日期 DATE OF ISSUE	20240820
		证明书编号 CERTIFICATE NO.	240816Z00160	控制号 CONTROL NUMBER	DLN2400979
车 号 TRAIN NO.		船号 HULL NO.			

炉号 HEAT NO.	批号 LOT NO.	钢板号 PLATE NO.	分段号 SECTION NO.	规格 (MM) DIMENSION	数量 QIY	重量 WEIGHT kg	化学成分 CHEMICAL ANALYSIS % C ×10⁻³	Si ×10⁻²	Mn ×10⁻³	P ×10⁻³	S ×10⁻³	Als ×10⁻³	Ti ×10⁻⁴	Nb ×10⁻⁴	Ni ×10⁻¹	Cr ×10⁻³	Cu ×10⁻³	Mo ×10⁻⁴	CeqA ×10⁻³	B0A01 屈服强度 MPa ReH	B0A02 抗拉强度 MPa Rm	B0A03 断后伸长率 % B1	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
24206699A	S48150031	S4815070301		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	318	448	37	144	143	153	147
24206699A	S48150031	S4815071101		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	318	448	37	144	143	153	147
24206699A	S48150031	S4815071201		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	318	448	37	144	143	153	147
24206699A	S48150031	S4815071301		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	318	448	37	144	143	153	147
24206699A	S48150038	S4815073101		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815073201		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815073301		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815074201		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815077101		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815077201		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815077301		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
24206699A	S48150038	S4815079101		8x2440x12000	1	1,839	171	21	665	15	8	25	100	20	160	47	8	10	282	306	452	37.5	70	69	73	70
				合计(TOTAL):	12	22,068																				

注释 NOTES

L: 熔炼成分 SMELTING COMPOSITION
拉伸标距(GAUGE LENGTH) Lo=5.65√S0 mm
A0C冲击试验IMPACTTEST: 0℃，纵向LONGITUDINAL，近表 CLOSE TO SURFACE，尺寸SIZE10*5*55
CeqA=C+Mn/6
B0A01=YIELD STRENGTH
B0A02=TENSILE STRENGTH
B0A03=PRECENTAGE ELONGATION AFTER FRACTURE
A0C01=IMPACT TEST A
A0C012=IMPACT TEST B
A0C013=IMPACT TEST C
A0C02=IMPACT AVERAGE

According to EN 10204 3.2
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。
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.

野牛

冶金技术处处长
DIRECTOR OF METALLURGICAL DEPARTMENT

敖彩刚

验船师
SURVEYOR

Lloyd's Register
S.J. He
Dalian Office
Lloyd's Register Classification Society China Co Ltd