



CUSTOMER	MANUCHAR STEEL N.V	PRODUCT	Structural Steel Plates for Ships			DELTAIL NO.	虚拟发运	CERTIFICATE NO.	ZB123X215174
PURCHASER	新钢公司九江分公司XGEC-123110129	SPECIFICATION	LR Rules			QTY	4	DATE OF ISSUE	2023-12-12
CONTRACT NO.	XGEC-123110129	STATE OF DELIVERY (6)	AR	TRAIN NO.		TOTAL MT	9.192	DATE OF DELIVERY	

NO	PLATE ID.	HEAT NO.	STEEL GRADE	MATERIAL DESCRIPTION					CHEMICAL COMPOSITION %													
				THICK	WIDTH	LENGTH	QTY	WEIGHT MT	分析区分 (1)	C	Si	Mn	P	S	Cr	Ni	Cu	Als	Mo	Ceq		
				mm																		
1	Z231597C. 2. 1	J38-14541A	LRB	10	2440	12000	1	2.298	L	0.15	0.15	0.67	0.021	0.009	0.04	0.02	0.04	0.002	0.01	0.26		
2	Z231597C. 3. 2	J38-14541A	LRB	10	2440	12000	1	2.298	L	0.15	0.15	0.67	0.021	0.009	0.04	0.02	0.04	0.002	0.01	0.26		
3	Z232673C. 1. 1	J37-14232A	LRB	10	2440	12000	1	2.298	L	0.16	0.17	0.64	0.025	0.008	0.06	0.02	0.04	0.004	0.01	0.27		
4	Z23D6658. 1. 1	J37-14232A	LRB	10	2440	12000	1	2.298	L	0.16	0.17	0.64	0.025	0.008	0.06	0.02	0.04	0.004	0.01	0.27		
NO	PLATE ID.	试验区分 (2)	拉伸试验 TENSILE TEST					冲击试验 IMPACT TEST														
			位置方向 (3)	温度 T	屈服 Y.S	抗拉 T.S	伸长率 E.L	位置方向 (3)	试样尺寸 (4)	温度 T	KV2											
				°C	MPa	MPa	%			°C	1	2	3	AVE								
1	Z231597C. 2. 1	H	T	室温	322	466	30.5	L	B	0	147.6	136.1	129.4	137.7								
2	Z231597C. 3. 2	H	T	室温	322	466	30.5	L	B	0	147.6	136.1	129.4	137.7								
3	Z232673C. 1. 1	H	T	室温	316	462	31.5	L	B	0	134.4	92.2	142.1	122.9								
4	Z23D6658. 1. 1	H	T	室温	326	452	34.0	L	B	0	95.1	102.1	147.7	115.0								

WORKS APPROVAL NO. LR22268112WA		备注 REMARKS	Mill Test Certificate according to EN 10204 3.2
Lloyd's Register Classification Society (China) S. Ltd. Initials XMW Guangzhou Office  Lloyd's Register		注释	(1)分析区分 ANALYSIS: L=熔炼分析 LADLE ANALYSIS. P=成品分析 PRODUCT ANALYSIS. (2)试验区分 SAMPLING POSITION: B=尾部 BOTTOM. H=头部 TOP. A=任意 Any (3)位置方向 LOCATION AND ORIENTATION: T=纵向 TRANS L=纵向 LONGI. Z=厚度方向 THROUGH-THICK. (4)试样尺寸 SPECIMEN SIZE: A=10*10*55; B=10*7.5*55; C=10*5.0*55. (5)Z向断面收缩率 THROUGH THICKNESS REDUCTION IN AREA. (6)交货状态 STATE OF DELIVERY: N=正火 NORMALIZED. Q=淬火 QUENCHED. T=回火 TEMPERED. A=退火 ANNEALED. CR=控制轧制 CONTROLLED ROLLED. TM=TMCP. AR=热轧 AS HOT ROLLED. (7)当化学分析显示为“0”时表示检测出的该元素含量≤0.0005%. When the chemical analysis is shown as "0", it means that the content of the element detected is ≤0.0005%. (8)Ceq=C+Mn/6
		NOTES	
LR CONTROL NO: GZU 2350305		兹证明本材料按认可的工艺规程制造,并按英国船级社规范进行了试验,且各项要求均已满足。 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. 该船板厚度公差符合IACS UR W 13 的要求。 The thickness of hull plates are complied with requirement of IACS UR W13.	

钢铁股份有限公司

质量检验专用章

(9)

质量检验专用章

QUALITY INSPECT STAT.

