



CUSTOMER	MANUCHAR STEEL N.V	PRODUCT	Structural Steel Plates for Ships			DELTA I L NO.	虚拟发运	CERTIFICATE NO.	ZB124X011183
PURCHASER	新钢公司九江分公司XGEC-123110129	SPECIFICATION	LR Rules			QTY	4	DATE OF ISSUE	2024-01-17
CONTRACT NO.	XGEC-123110129	STATE OF DELIVERY (6)	AR	TRAIN NO.		TOTAL MT	5.516	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	Z24A0810.3.2	J48-00694A	LRB	6	2440	12000	1	1.379	L	0.14	0.13	0.62	0.024	0.003	0.04	0.01	0.03	0.013	0.01	0.24
2	Z24A0810.4.2	J48-00694A	LRB	6	2440	12000	1	1.379	L	0.14	0.13	0.62	0.024	0.003	0.04	0.01	0.03	0.013	0.01	0.24
3	Z24A6061.5.1	J49-01210A	LRB	6	2440	12000	1	1.379	L	0.14	0.17	0.65	0.016	0.005	0.06	0.02	0.04	0.014	0.01	0.25
4	Z24A6061.6.1	J49-01210A	LRB	6	2440	12000	1	1.379	L	0.14	0.17	0.65	0.016	0.005	0.06	0.02	0.04	0.014	0.01	0.25

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 ReH	抗拉 T.S Rm	伸长率 E.L A	位置方向 (3)	试样尺寸 (4)	温度 T	KV2										
											1	2	3	AVE							
			°C	MPa	MPa	%	°C	J	J	J	J										
1	Z24A0810.3.2	H	T	室温	353	465	37.0	L	C	0	69.3	72.7	73.1	71.7							
2	Z24A0810.4.2	H	T	室温	353	465	37.0	L	C	0	69.3	72.7	73.1	71.7							
3	Z24A6061.5.1	H	T	室温	343	449	35.0	L	C	0	79.4	78.9	84.2	80.8							
4	Z24A6061.6.1	H	T	室温	343	449	35.0	L	C	0	79.4	78.9	84.2	80.8							

WORKS APPROVAL NO. LR22268112WA	备注 REMARKS	Mill Test Certificate according to EN 10204 3.2	
	注释 NOTES	(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=横向 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	
LR CONTROL NO: GZU 2400085	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.		