



CUSTOMER	MANUCHAR STEEL N.V	PRODUCT	Structural Steel Plates for Ships			DELTAIL NO.	虚拟发运	CERTIFICATE NO.	ZB123X210877
PURCHASER	新钢公司九江分公司XGEC-123110129	SPECIFICATION	LR Rules			QTY	4	DATE OF ISSUE	2023-12-04
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	分析区分 (1)	C	Si	Mn	P	S	Cr	Ni	Cu	Als	Mo	Ceq		
				mm				MT														
1	Z231505C. 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	Z231505C. 2. 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	Z231505C. 4. 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		
4	Z231597C. 1. 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		
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	Z231505C. 2. 1	H	T	室温	318	464	32.0	L	B	0	99.8	89.4	91.5	93.6								
2	Z231505C. 2. 2	H	T	室温	318	464	32.0	L	B	0	99.8	89.4	91.5	93.6								
3	Z231505C. 4. 1	H	T	室温	318	464	32.0	L	B	0	99.8	89.4	91.5	93.6								
4	Z231597C. 1. 2	H	T	室温	322	466	30.5	L	B	0	147.6	136.1	129.4	137.7								

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

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.

该钢板厚度公差符合IACS UR W 13 的要求。

The thickness of hull plates are complied with requirement of IACS UR W13.



LR CONTROL NO: GZU 2350272

