



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	CUMICSTEEL LIMITED	产品名称 PRODUCT	普通碳素结构钢 General carbon structural steel		
收货单位 CONSIGNEE	CUMICSTEEL LIMITED	合同编号 CONTRACTNO.	YGR1ZANN240683004-02		
技术标准/牌号 SPEC/GRADE	ASTM A36/A36M; ASTM A36	交货状态 DELIVERY CONDITION	热轧 (AR)	签发日期 DATE OF ISSUE	20240729
车号 TRAINNO.		证明书编号 CERTIFICATE NO.	240729Z00107		

炉号 HEATNO.	批号 LOTNO.	钢板号 PLATE NO.	规格 (MM) DIMENSION	数量 QTY	重量 WEIGHT kg	分析 区域 AA	化学成分 CHEMICAL ANALYSIS %														B OA01	B OA02	B OA03	B OA04	B OB01	A OC01	A OC02	A OC03	A OC04
							C	Si	Mn	P	S	CEV	Cr	Mo	V	Ni	Cu	Nb	Ti	屈服 强度	抗 拉 强度	断后 伸 长 率	屈 强 比	弯 曲 试 验	冲击 单 值 A	冲击 单 值 B	冲击 单 值 C	冲击 单 值 Ave	
							$\times 10^{-3}$	$\times 10^{-3}$	$\times 10^{-3}$	$\times 10^{-4}$	$\times 10^{-4}$	$\times 10^{-2}$	$\times 10^{-3}$	$\times 10^{-4}$	MPa Rp0.2	MPa Rm	% B5		d=3a 180°	J	J	J	J						
24111563D	2475568	24G5351001	20x2440x12000	1	4,597	L	171	203	855	210	67	32	38	60	2	140	9	20	30	284	468	26.5	0.61	OK	166	191	190	182	
24112219A	2476053	24G7814012	12x2440x12000	1	2,758	L	141	158	829	210	98	29	30	30	1	90	8	20	20	280	452	28	0.62	OK	180	186	189	185	
24405233A	2476944	24G8896007	12x2440x12000	1	2,758	L	137	172	849	180	125	29	26	50	1	120	10	30	20	263	420	27.5	0.63	OK	157	163	153	158	
24405233A	2476944	24G8896011	12x2440x12000	1	2,758	L	137	172	849	180	125	29	26	50	1	120	10	30	20	263	420	27.5	0.63	OK	157	163	153	158	
24405233A	2476944	24G8896013	12x2440x12000	1	2,758	L	137	172	849	180	125	29	26	50	1	120	10	30	20	263	420	27.5	0.63	OK	157	163	153	158	
24405234A	2476945	24G8903013	12x2440x12000	1	2,758	L	135	166	931	220	123	30	25	40	2	100	6	20	20	282	442	28	0.64	OK	160	155	147	154	
24405234A	2476945	24G8903015	12x2440x12000	1	2,758	L	135	166	931	220	123	30	25	40	2	100	6	20	20	282	442	28	0.64	OK	160	155	147	154	
24405234A	2476945	24G8903017	12x2440x12000	1	2,758	L	135	166	931	220	123	30	25	40	2	100	6	20	20	282	442	28	0.64	OK	160	155	147	154	
24405234A	2476950	24G8903024	12x2440x12000	1	2,758	L	135	166	931	220	123	30	25	40	2	100	6	20	20	294	440	27	0.67	OK	195	181	254	210	
24405233A	2476944	24G8904004	12x2440x12000	1	2,758	L	137	172	849	180	125	29	26	50	1	120	10	30	20	263	420	27.5	0.63	OK	157	163	153	158	
24405233A	2476946	24G8904005	12x2440x12000	1	2,758	L	137	172	849	180	125	29	26	50	1	120	10	30	20	269	430	26.5	0.63	OK	205	154	199	186	
24405233A	2476946	24G8904011	12x2440x12000	1	2,758	L	137	172	849	180	125	29	26	50	1	120	10	30	20	269	430	26.5	0.63	OK	205	154	199	186	
合计 (TOTAL):							12	34,935																					

注释 NOTES	L: 熔炼成分 SMELTING COMPOSITION 拉伸标距 (GAUGE LENGTH) Lo=200 mm AOC冲击试验 IMPACT TEST: 20°C, 纵向 LONGITUDINAL, 近表 CLOSE TO SURFACE, 尺寸 SIZE 10*10*55	BOA04=YIELD STRENGTH RATIO BOB01=BEND TEST AOC01=IMPACT TEST A AOC012=IMPACT TEST B AOC013=IMPACT TEST C AOC02=IMPACT AVERAGE
	BOA01=YIELD STRENGTH BOA02=TENSILE STRENGTH BOA03=PERCENTAGE ELONGATION AFTER FRACTURE	
According to EN 10204 3.1		

	本产品已按照标准要求进行制造和检验, 其结果符合要求, 特此证明。 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HAS MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION	冶金技术处处长 DIRECTOR OF METALLURGICAL DEPARTMENT