



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	HYUNDAI CORPORATION	普通碳素结构钢 General carbon structural steel	
收货单位 CONSIGNEE	HYUNDAI CORPORATION	YGR1ZANN240583008-01	
技术标准/牌号 SPEC/GRADE	ASTM A36/A36M;ASTM A36	热轧(AR)	签发日期 DATE OF ISSUE 20240712
车号 TRAINNO.		240712Z00334	

炉号 HEATNO.	批号 LOTNO.	钢板号 PLATENO.	规格 (MM) DIMENSION	数量 QTY	重量 WEIGHT kg	分析区域 AA	化学成分 CHEMICAL ANALYSIS %														B0A01	B0A02	B0A03	B0A04	B0B01	A0C01	A0C012	A0C013	A0C02		
							C	Si	Mn	P	S	CEV	Cr	Mo	V	Nb	Ti	屈服强度	抗拉强度	断后伸长率	屈服比	弯曲试验	冲击单值 A	冲击单值 B	冲击单值 C	冲击平均值 Ave					
							$<sup>-3</sup>10$	$<sup>-3</sup>10$	$<sup>-3</sup>10$	$<sup>-4</sup>10$	$<sup>-4</sup>10$	$<sup>-2</sup>10$	$<sup>-3</sup>10$	$<sup>-4</sup>10$	$<sup>-3</sup>10$	$<sup>-4</sup>10$	$<sup>-3</sup>10$	$<sup>-4</sup>10$	$<sup>-3</sup>10$	$<sup>-4</sup>10$	$<sup>-4</sup>10$	MPa	MPa	%		d=3a 180°	J	J	J	J	
24111331A	S47100010	S4709448101	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	309	453	28.5	0.68	OK	92	91	80	88			
24111331A	S47100010	S4709448201	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	309	453	28.5	0.68	OK	92	91	80	88			
24111331A	S47100010	S4709448301	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	309	453	28.5	0.68	OK	92	91	80	88			
24111331A	S47100010	S4709452201	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	309	453	28.5	0.68	OK	92	91	80	88			
24111331A	S47100010	S4709452301	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	309	453	28.5	0.68	OK	92	91	80	88			
24111331A	S47100011	S4709458101	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
24111331A	S47100011	S4709458201	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
24111331A	S47100011	S4709458301	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
24111331A	S47100011	S4709459101	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
24111331A	S47100011	S4709459201	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
24111331A	S47100011	S4709459301	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
24111331A	S47100011	S4709460101	8x2440x12000	1	1,839	L	138	137	835	180	92	30	80	20	2	180	7	20	20	304	445	24	0.68	OK	89	72	76	79			
合计(TOTAL):						12															22.068										

注释 NOTES	L: 熔炼成分 SMELTING COMPOSITION 拉伸标距(GAUGE LENGTH) Lo=200 mm A0C冲击试验IMPACT TEST: 20℃, 纵向LONGITUDINAL, 近表 CLOSE TO SURFACE, 尺寸SIZE10*5*55 B0A01=YIELD STRENGTH B0A02=TENSILE STRENGTH B0A03=PERCENTAGE ELONGATION AFTER FRACTURE	B0A04=YIELD STRENGTH RATIO B0B01=BEND TEST A0C01=IMPACT TEST A A0C012=IMPACT TEST B A0C013=IMPACT TEST C A0C02=IMPACT AVERAGE
	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  殷新刚
	第1页, 共1页 Page 1 of 1	