

**安阳钢铁股份有限公司**  
**ANYANG IRON AND STEEL COMPANY LIMITED**  
**质量证明书**  
**QUALITY CERTIFICATE**

记录编号(TABLE No.):

收货单位(PURCHASER): 安阳市通用国际贸易有限责任公司  
 合同号(CONTRACT No.): 营销w W08上03-0016 超声波探伤(UT.):  
 产品名称(NAME): 船体用结构钢板(HULL STRUCTURAL STEEL PLATES)  
 标准编号(STANDARD): ABS规范

到站(DESTINATION):  
 车号(TRAIN No.):  
 证明书编号(CERTIFICATE No.): 200803071076347  
 生产许可证(LICENSE No.): DL 060303-A

批号 BATCH No.	炉号 HEAT No.	牌号 GRADE	尺寸 SIZE (mm)	数量 AMOUNT (块)	重量 WEIGHT (t)	化学成分 CHEMICAL COMPOSITION(%)											屈服点 YIELD POINT ReI (MPa)	抗拉强度 TENSILE STRENGTH Rm(MPa)	伸长率 PERCENTAGE ELONGATION A(%)	V型冲击(Akv) V-NOTCH IMPACT TEST		弯曲试验 BEND TEST 180°
						碳 C	硅 Si	锰 Mn	磷 P	硫 S	钒 V	铌 Nb	铝 Al	铬 Cr	镍 Ni	铜 Cu				钼 Mo	℃	
78310808A	1076291	A	1800X8000X19	3	6.444	0.17	0.22	0.60	0.007	0.010								286	441	23	#	
78411812B	1078790	A	1800X9200X20	3	7.9	0.14	0.19	0.54	0.018	0.014								300	431	29	#	
78811811C	7J415023	A	1800X9200X20	3	7.8	0.16	0.23	0.56	0.018	0.011								301	430	32	#	
8810093A	1080060	A	2420X11000X17	3	10.656	0.15	0.18	0.55	0.008	0.023								321	450	27	#	
78511681B	7J414828	A	2420X12200X14.5	2	6.722	0.17	0.23	0.58	0.015	0.005								295	440	27	#	
8810093C	1080060	A	1900X9800X25	3	10.962	0.15	0.18	0.55	0.008	0.023								289	444	28	#	
78611251C	7J214261	A	2100X8000X19	2	5.012	0.16	0.19	0.59	0.023	0.028								290	430	31	#	
7838036C	1075066	A	2200X10000X14	2	4.836	0.16	0.21	0.59	0.017	0.021								283	427	33	#	
78210510A	1076042	A	2200X10000X14	5	12.09	0.16	0.26	0.59	0.023	0.012								300	454	35	#	
78210510B	1076042	A	2200X10000X14	1	2.418	0.16	0.28	0.59	0.023	0.012								300	456	34	#	
78610337C	7J413211	A	2300X10200X15	3	8.286	0.16	0.19	0.60	0.029	0.018								310	439	32	#	
78111685B	1076714	A	2400X11000X12	3	7.461	0.17	0.20	0.58	0.025	0.025								285	440	35	#	
78411771C	1076766	A	2400X10000X16	3	9.042	0.15	0.21	0.57	0.023	0.016								261	423	32	#	
合计(TOTAL):				36	99.529																	

备注(Notes):  
 (1) 兹证明材料按照认可的工艺规程制造, 并按ABS材料规范作了试验, 且各项要求均已满足。  
 We hereby declare that the material has been produced by an approved method and has satisfied rules of ABS for testing.  
 (2) 冶炼方法: 转炉/连铸坯 电炉/连铸坯  
 Manufacture process: B. O. S./Con. Cast. E. A. P./Con. Cast.  
 (3) 交货状态: 普通强度船板为热轧状态, 高强度船板为控轧状态, 理论重量交货。  
 Supply condition: Normal strength steel plates as hot-rolled, higher strength steel plates as control-rolled. Delivered with theoretical weight.  
 (4) Ni, Cr≤0.20%, Cu≤0.25%, Mo≤0.08%

船检印章(Stamp):  
  
 19/3-2008  
 验船师(Surveyor):

签证:  
SIGNATURE  
李凤[F.LI]

质量证明书专用章  
CERTIFICATE SEAL  


厂址: 河南省安阳市金豪商务4A  
 ADDRESS: Suite A, 4/F Jinhao Business Bld., Renmin Rd., Anyang, Henan, P. R. C

服务电话: (0372) 5086903  
 TELEPHONE: +86 372 5086903

日期: 2008年03月07日  
 DATE: