



品質證明書  
TEST CERTIFICATE

CHINA STEEL CORPORATION  
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TEST CERTIFICATE

A0001-01

COMPANY REGISTRATION NUMBER: 30414175 0057

客戶名稱 SALZGITTER MANNESMANN INTERNATIONAL GMBH SCHWANNSTRASSE 12, 40476 DUESSELDORF GERMANY

規格名稱 ASTM A514-14 GR. S 1T MOD. QT ALLOYED STEEL PLATE  
IMPACT TEST, LONG, TEMP:-45C AVG/1DV:27/20J MIN.  
FLATNESS TOLERANCE AS PER 1/2 ASTM AG. HARDNESS:  
295 TO 299HBW.

檢驗 CSC MILL INSPECTION

客戶打單編號 PJJA569

項目 ITEM NO.	產品序號 SERIAL (PLATE)	R DIMENSIONS		厚度 THICK IN.	寬度 WIDTH IN.	長度 LENGTH IN.	數量 QTY	質量 MASS kg	爐號 HEAT	胚號 SLAB	試片編號 SAMPLE ID.	拉伸試驗 *1 降伏 Y.S. T.S.	*2 斷面 縮 % 96	*03 斷面 縮 % 96	*04 IMP. AVG. -45C	*05 IMP. 1D -45C	*08 硬 度 HB	化學成分 CHEMICAL COMPOSITION %											REMARK			
		C	Mn															P	S	Si	Cu	Ni	Cr	Al	A	B	Mo	No		Ti	V	
00127748	1.0	96	480	1	5,926	1106	202-227748	1	5,926	1106	202-227748	#F	870	88518.1	185.0	168	177	276	19	120	11	280	1	26	42	35	16	20	15	10	3	HEAT
27749	"	"	"	1	5,926	1106	202-127749	1	5,926	1106	202-127749	#F	867	88318.8	185.1	248	149	277	12	118	10	180	1	26	42	34	15	20	12	9	3	PROD
28179	"	"	"	1	5,926	1106	102-128179	1	5,926	1106	102-128179	#F	832	88618.0	185.1	184	189	266	13	120	11	250	1	26	42	35	16	20	15	10	3	HEAT
00228182	1.25	96	480	1	7,406	1106	201-328182	1	7,406	1106	201-328182	#F	809	88218.7	185.3	177	202	270	"	"	"	"	"	"	"	"	"	"	"	"	"	HEAT
		TOTAL:						4	25,184																							

NOTE: #1: IMPACT TEST SPECIMEN SIZE (mm) #3: 10X3. 3X55; #5: 10X5. 0X55; #6: 10X8. 7X55; #7: 10X7. 5X55; #8: 10X10X55.  
#01 拉伸試驗 TENSILE TEST  
#03 斷面收縮率 REDUCTION OF AREA  
#04 衝擊試驗平均 IMPACT TEST LONG AVG  
#05 衝擊試驗個別 IMPACT TEST LONG 1DV  
#08 硬度試驗 HARDNESS TEST

FULLY KILLED AND FINE GRAIN PRACTICE  
100g = 10/32mm<sup>2</sup>  
PROD: PRODUCT ANALYSIS 製品分析  
AI: TOTAL AI  
HEAT: HEAT ANALYSIS 鋼液分析

茲證明本廠所製產品，均按材料規格及試驗，符合規格之要求。  
WE HEREBY CERTIFY THAT MANUFACTURING PROCESS IS IN ACCORDANCE WITH ASTM A514  
SPECIFICATION REQUIREMENT, AND QUENCHED AND TEMPERED TEMPERATURE IS SET IN  
ABOVE 900C AND 620C RESPECTIVELY.

治金技術處 處長  
GENERAL MANAGER METALLURGICAL DEPARTMENT