



JIANGYIN XING CHENG SPECIAL STEEL WORKS CO., LTD.

NO.297,BINJIANG(E) ROAD JIANGYIN CITY, CHINA

AS PER EN10204/3.1

MILLS TEST CERTIFICATES

TO: STEMCOR AG

GRAFENAUWEG 4 ZUG 6300 SWITZERLAND

DESCRIPTION OF GOODS: PRIME NEWLY PRODUCED HOT ROLLED ALLOY STEEL PLATES

No. 21178

DATE: SEP 25, 2013

INVOICE NO.: PCN334-1BC CONTRACT NO.: PCN334

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CERTIFICATE NO. Y1300001008415

SPECIFICATION EN10025-2

U.T Test EN10160

LICENSE NO. 0036-CPD-36-2010

GRADE S235JR+N

CONDITION OF DELIVERY NR(Normalizing rolling)

U.T Test EDGE All-the-sides cutting

CHEMICAL COMPOSITION (%)

NO.	PLATE NO.	HEAT NO.	SIZE AND WEIGHT			CHEMICAL COMPOSITION (%)											Non-Metallic Inclusions							
			THICK	WIDTH	LENGTH	PIECES	WEIGHT	C	Si	Mn	P	S	B	N	Ceq	Al		Nb	Ti	Cr	Ni	Cu	Mo	V
1	T3812080050	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
2	T3812080040	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
3	T3812080030	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
4	T3812080010	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
5	T3812079050	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
6	T3812079040	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
7	T3812079020	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	
8	T3812079010	S317822	10	3000	12000	1	2.826	12	21	58	13	8	2	51	29	26	2	16	35	2	3	1	4	

NO.	PLATE NO.	TENSILE TEST			Impact Test			THROUGH-THICK PERFORMANCE			HARDNESS			Macro-structure			DWT			Non-Metallic Inclusions							
		Y.S	T.S	Rm	E.L	R.A	Z	TC	%	V	Energy	SA%	REDUCTION OF AREA (RA)	REDUCTION OF AREA (RA)	CODE	C	S	R	LEVEL		1	2	AVG	Grain size	Banded	ds	
1	T3812080050	334	431	33	33	77			1	2	3	AVG	1	2	3	AVG											
2	T3812080040	334	431	33	33	77			1	2	3	AVG	1	2	3	AVG											
3	T3812080030	334	431	33	33	77			1	2	3	AVG	1	2	3	AVG											
4	T3812080010	334	431	33	33	77			1	2	3	AVG	1	2	3	AVG											
5	T3812079050	327	420	32.5	32.5	78			1	2	3	AVG	1	2	3	AVG											
6	T3812079040	327	420	32.5	32.5	78			1	2	3	AVG	1	2	3	AVG											
7	T3812079020	327	420	32.5	32.5	78			1	2	3	AVG	1	2	3	AVG											
8	T3812079010	327	420	32.5	32.5	78			1	2	3	AVG	1	2	3	AVG											

REMARK: We hereby certify that the material hasn't any impermissible defects. When there is any complaint, you are kindly requested to mark the Steel Grade, Heat No, Size, Delivery Date, Causes and material in the condition.

Stamp: 江阴兴澄特种钢铁有限公司
 江阴市澄东中路100号
 210000

STAMP OF DEPARTMENT OF QUALITY ASSURANCE

QUALITY MANAGER: 163

QUALITY MANAGER

U.T Inspection: OK

U.T Classes: S1E1

① LOCATION AND ORIENTATION, B-BOTTOM, T-TOP, C-CROSS, L-LONG, Z-THROUGH-THICK. ② IMPACT SAMPLE SIZE: PLATE THICKNESS, RESPECTIVELY 10×5×5, 65×10×7, 5×55, 10×10×55mm. ③ TEMPERATURE (°C) ④ 表面等级: EN10160-2 Class A-1