

PLEASA ANAHUAC

TAIAN KENUO PROFILE STEEL CO.,LTD.
SHANKOU,TAIAN CITY SHANDONG 271038,CHINA
MILL TEST CERTIFICATE

CUSTOMER: SALZGITTER MANNESMANN INTERNATIONAL GMBH
SCHWANNSTR.12 40478 DUESSELDORF
DESCRIPTION OF GOODS: PRIME NEWLY ROLLED HOLLOW STRUCTURAL SECTIONS ACC. ASTM-A 500, GRADE B, WITH WORK'S TEST CERTIFICATE ACC.EN 10204/3.1 IN ENGLISH LANGUAGE, SHOWING MECHANICAL AND CHEMICAL PROPERTIES, IN RANDOM LENGTHS OF 40 FT +/- 2 INCH, WITH SQUARE CUT ENDS, BURRS REMOVED, BLACK, FREE OF ANY RUST, LIGHTLY OILED(WITH HIGH CLEANLINESS BARKUM FREE ANTI RUST OIL), SEAWORTHY BUNDLED, BUNDLES COMPLETELY WRAPPED WITH PLASTIC WOVEN CLOTH, BUNDLES MAX.3000KG

TEST CERTIFICATE.: KNSALMT07504/3733

DATE: OCT 13,2007

SHIPPING MARK:

MIRACERO

DIMENSION

ASTM-A 500 GRADE B

HEAT NO.

NOS.OF PIECES

WEIGHT

PORT OF DESTINATION

V... AND UP

COLOUR MARKING PER SIZE

ORIGINAL

PLEASA ANAHUAC Y CIAS. S.A. DE C.V.

CONTROL DE CALIDAD

FECHA

06 May 2010

E690

E. RUIZ

SIZE(INCH)	THICKNESS (INCH)	LENGTH(FEET)	HEAT NO.	TOTAL PIECE COUNT	CHEMICAL PROPERTIES (%)					PHYSICAL AND MECHANICAL PROPERTIES		
					C	Mn	SI	P	S	YIELD (N/mm ²)	UTS (N/mm ²)	ELONG (%)
6X6	0.188	40	R7107740	117	0.14	0.48	0.20	0.019	0.033	320	405	33.5
6X6	0.250	40	R7209959	152	0.16	0.45	0.16	0.012	0.030	330	430	35.0
6X6	0.313	40	7A-00118	72	0.18	0.37	0.18	0.023	0.032	325	455	37.0
6X6	0.375	40	7B-02782	66	0.18	0.42	0.20	0.017	0.017	330	415	36.0
6X6	0.500	40	7A-03219	48	0.16	0.34	0.16	0.018	0.020	345	410	29.0
8X8	0.188	40	7104860	90	0.10	0.35	0.19	0.012	0.028	325	420	35.0
8X8	0.250	40	7205979	108	0.12	0.39	0.17	0.031	0.031	370	450	26.0
8X8	0.250	40	7205979	108	0.12	0.39	0.17	0.032	0.027	340	405	35.0
8X8	0.313	40	7205483	52	0.14	0.47	0.19	0.032	0.027	340	405	35.0
8X8	0.313	40	7205483	52	0.14	0.47	0.19	0.032	0.027	320	450	34.0
8X8	0.375	40	7206706	88	0.13	0.42	0.21	0.014	0.020	325	420	25.0
8X8	0.500	40	R7107949	68	0.14	0.37	0.14	0.015	0.032	325	420	25.0
8X8	0.500	40	R7107949	68	0.14	0.37	0.14	0.015	0.018	330	435	29.0
10X10	0.250	40	71-1379	52	0.14	0.43	0.13	0.015	0.018	330	435	29.0
10X10	0.313	40	71-4019	44	0.19	0.36	0.16	0.028	0.030	335	425	27.0
10X10	0.375	40	72-0764	58	0.13	0.42	0.12	0.016	0.018	335	430	30.5

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TO BE CONTINUED NEXT PAGE

江苏六龙钢管有限公司
JIANGSU LIULONG STEEL PIPE CO., LTD

产品质量证明书
MILL TEST CERTIFICATE

Tel: 86-510-83308886
Fax: 86-510-83318700

P/O No. 1040230600
Commodity Hollow Structural Section
Specification ASTM A500 GR. B

IN ACCORDING WITH EN10204-2004 3.1

Contract No. LL00914
Certificate No. LL20091121
Date of Issue: 20091121

Item	Size	W.T	Length	Quantity	Weight	Heat No.	Chemical Composition(%)														Mechanical Properties			Impact Test			Remarks
							C	Si	Mn	P	S	Nb	V	Ti	Cr	Ni	Mo	Cu	N	Al	Tensile	Yield	Elong	AVG			
							x 0.01		x0.001		x 0.01				x0.001		Mpa			%	(20° C)						
	14" x 14"	0.5000"	12.2	143	232.73	0971010570	13	20	50	10	5							430	345	28	67	66	65	69	N/A		
	14" x 14"	0.3750"	12.2	165	204.6	0973010294	14	20	50	10	6							460	360	31	72	70	70	75	N/A		
	14" x 14"	0.3125"	12.2	75	78.08	0973010296	15	20	50	10	7							490	365	31	67	65	66	69	N/A		
	16" x 16"	0.5890"	12.2	121	226.88	09S7-08389	17	14	30	13	4							490	380	29	68	66	66	72	N/A		
	16" x 16"	0.3750"	12.2	132	188.1	09S7-08394	17	15	31	12	4							450	345	28	66	65	67	72	N/A		
	16" x 16"	0.3125"	12.2	62	74.09	09S7-08391	17	17	32	12	3							485	385	26	66	64	65	69	N/A		
Total					1004.48																						

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER

江苏六龙钢管有限公司
JIANGSU LIULONG STEEL PIPE CO., LTD.
QUALITY CONTROL DEPT