

**SHANDONG YUDING COLD-FORMED SECTION CO., LTD.**  
**LONGTAN EAST ST. HI-TECH DEVELOPMENT ZONE, LAIWU CITY, SHANDONG 271100, CHINA**

**MILL CERTIFICATES**

INVOICE NO.: 112021  
 CONTRACT NO.: 112021  
 APPLICANT:

TEST CERTIFICATE 112021  
 DATE: JUNE 20, 2011  
 LIC NO.: M926250

DESCRIPTION OF GOODS:

THE ORDER OF PLESA  
 ANAHUAC Y CIAS., S.A. DE  
 C.V.

ERW SQUARE TUBES ASTM A 500 GRADE B

SIZE(INCHES) X WALL THICKNESS(INCHES) X LENGTH(FEET)	HEAT NUMBER	BUNDLE COUNT	TOTAL PIECE COUNT	METRIC TON	CHEMICAL COMPOSITION (%)					MECHANICAL PROPERTIES		
					C	Mn	Si	P	S	YIELD (N/mm <sup>2</sup> )	TENSILE (N/mm <sup>2</sup> )	ELONG. (%)
3" x 3" x 0.250" x 40ft	H111-04195	13	208	33.248	0.16	1.20	0.23	0.018	0.010	395	515	27
3" x 3" x 0.188" x 40ft	H113-01796	7	112	13.961	0.16	1.17	0.23	0.015	0.009	395	535	26
3" x 3" x 0.188" x 40ft	H113-01796	8	160	19.944	0.16	1.17	0.25	0.015	0.009	395	535	26
4" x 4" x 0.188" x 40ft	H113-01796	8	128	22.086	0.16	1.17	0.25	0.015	0.009	395	535	26
4" x 4" x 0.250" x 40ft	H112-02573	55	495	109.571	0.17	1.21	0.23	0.015	0.009	390	515	28
6" x 4" x 0.250" x 40ft	H112-02574	10	80	22.644	0.17	1.18	0.23	0.017	0.010	390	530	26
8" x 4" x 0.188" x 40ft	H113-02486	10	50	13.154	0.16	1.19	0.24	0.016	0.010	400	530	26.5
8" x 4" x 0.188" x 40ft	H113-02486	3	30	7.893	0.16	1.19	0.24	0.016	0.010	400	530	26.5
8" x 4" x 0.250" x 40ft	H112-02573	12	96	33.094	0.17	1.21	0.23	0.015	0.009	390	515	28
6" x 6" x 0.250" x 40ft	H112-02573	31	186	64.120	0.17	1.21	0.23	0.015	0.009	390	515	28
6" x 6" x 0.375" x 40ft	H112-02485	8	48	23.950	0.17	1.15	0.26	0.017	0.012	405	530	25.5
8" x 6" x 0.250" x 40ft	H112-02573	14	84	34.140	0.17	1.21	0.23	0.015	0.009	390	515	28
8" x 6" x 0.375" x 40ft	H112-02355	12	48	28.391	0.16	1.20	0.25	0.013	0.009	405	530	27
8" x 8" x 0.188" x 40ft	H112-02573	31	124	44.097	0.17	1.21	0.23	0.015	0.009	390	515	28
8" x 8" x 0.250" x 40ft	H112-02573	31	124	58.046	0.17	1.21	0.23	0.015	0.009	390	515	28
8" x 8" x 0.313" x 40ft	H111-01945	24	96	55.390	0.15	1.14	0.26	0.019	0.012	400	520	27.5
8" x 8" x 0.375" x 40ft	H112-02485	26	104	71.139	0.17	1.15	0.26	0.017	0.012	405	530	25.5
8" x 8" x 0.500" x 40ft	H103-06694	34	68	60.269	0.16	1.2	0.27	0.02	0.013	410	530	25.5
10" x 10" x 0.250" x 40ft	H102-08754	52	104	61.515	0.17	1.22	0.27	0.015	0.009	405	530	26
10" x 10" x 0.375" x 40ft	H102-08768	18	36	31.287	0.15	1.14	0.26	0.019	0.012	400	520	27.5
10" x 10" x 0.500" x 40ft	H103-07243	22	44	49.816	0.18	1.31	0.26	0.016	0.008	380	545	25.5
12" x 4" x 0.313" x 40ft	H111-20214	23	92	53.082	0.15	1.14	0.26	0.019	0.012	400	520	27.5
12" x 8" x 0.313" x 40ft	H102-09127	16	32	23.398	0.18	1.17	0.23	0.018	0.010	410	545	27
12" x 12" x 0.250" x 40ft	H103-07653	45	90	61.844	0.15	1.23	0.27	0.018	0.011	430	545	26.5

SIZE(INCHES) X WALL THICKNESS(INCHES) X LENGTH(FEET)	HEAT NUMBER	BUNDLE COUNT	TOTAL PIECE COUNT	METRIC TON	CHEMICAL COMPOSITION (%)					MECHANICAL PROPERTIES		
					C	Mn	SI	P	S	YIELD (N/mm <sup>2</sup> )	TENSILE (N/mm <sup>2</sup> )	ELONG. (%)
12" x 12" x 0.375" x 40ft	H102-06177	31	62	65.245	0.15	1.14	0.26	0.019	0.012	400	520	27.5
14" x 10" x 0.313" x 40ft	H102-06177	13	26	23.021	0.15	1.14	0.26	0.019	0.012	400	520	27.5
14" x 14" x 0.313" x 40ft	H102-09227	31	31	32.128	0.18	1.17	0.23	0.018	0.010	410	545	27
14" x 14" x 0.375" x 40ft	H102-06260	35	35	43.309	0.15	1.17	0.29	0.02	0.015	395	540	26.5
16" x 16" x 0.500" x 40ft	H103-03497	57	57	106.812	0.18	1.36	0.25	0.022	0.010	415	540	27.5
<b>TOTAL:</b>		<b>680</b>	<b>2,850</b>	<b>1269.534</b>								

ORIGIN CHINA

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