

# 天津市联众钢管有限公司 TIANJIN UNITED STEEL PIPE CO., LTD

## MILL CERTIFICATE

CUSTOMER	PLESA ANAHUACY CIAS S.A. DE C.V.	We hereby certify that the material described herein has been manufactured and tested in accordance with above specifications and the results of all are acceptable. 兹为贵单位制造之钢管，经本公司质量管理部标准技术条件及合同检验合格，特发此证。										CERTIFICATE No.	UNMCH65-2			
PRODUCT	ERW STEEL PIPE											L/C NO.:	M926923			
M.P	HFV	STANDARD	ASTMA53 GR.B										HEAT TREATMENT OF WELDING SEAM	(V) HN (Z)	CONTRACT No.	RUII65

STEEL GRADE	HEAT NO.	SPECIFICATION (mm)	QTY		CHEMICAL COMPOSITION 化学成分 (%)																		
			MT	PCS	C	Si	Mn	P	S	Cr	Mo	Al	Ni	N	Cu	Nb	V	Ti	B	Su	Re	Ca	CEV
B	RI1213477	168.3X7.11X6200	100.059	571	0.15	0.17	0.41	0.016	0.014	0.013	0.003	-	0.012	-	0.014	0.004	0.010	0.004	-	-	-	-	-
B	11409122	219.1X6.35X6200	96.878	469	0.13	0.15	0.40	0.014	0.012	0.013	0.004	-	0.011	-	0.014	0.005	0.012	0.002	-	-	-	-	-
B	11409060	219.1X8.18X6200	120.295	456	0.16	0.15	0.41	0.017	0.013	0.016	0.003	-	0.013	-	0.012	0.006	0.011	0.003	-	-	-	-	-

TOTAL 总计: (317.232) MT (吨) (1496) PCS (支)					MECHANICAL PROPERTY OF WELDING SEAM 钢管焊缝物理性能										(V) UT 超声波探伤			HYDROSTATIC TEST	
MECHANICAL PROPERTY OF PIPE BODY 管体物理性能																			

Y.S. (R <sub>0.2</sub> ) 屈服强度 MPa	T.S. (R <sub>m</sub> ) 抗拉强度 MPa	E.L. 伸长率 (%)	IMP 冲击功(J) C	SHEARING AREA 剪切面积	FLATTENING 压扁			T.S. 抗拉强度 MPa	IMP 冲击功(J) C	HARDNESS	WELDING SEAM 100%	DELAMINATION OF PIPE END	TEST PRESSURE	DELAY TIME
					10	10	50/100 符合							
315	440	30.0	-	-	OK			-	-	-	OK	OK	12.3MPa	7s
320	440	30.0	-	-	OK			455	-	-	OK	OK	3.4MPa	7s
315	435	31.0	-	-	OK			450	-	-	OK	OK	10.8MPa	7s

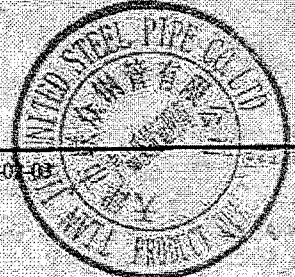
SIGN/SEAL OF THE THIRD PARTY DETECTION 第三方检验签章处								NOTES 注释		Y.S-YIELD STRENGTH E.L-ELONGATION		T.S-TENSILE STRENGTH IMP-IMPACT VALUE(IND)	
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NOTES 说明: 1. Pressure pipes used with ordinary pipes will be regarded as ordinary ones.  
承压管与一般管混用时，一律按一般管保证。

2. Quality defects occurred in transit is beyond our guarantee.  
运输装卸中造成的产品缺陷不予保证。

3. Any changes by handwriting is invalid.  
本证明任何手写或改动均无效。

4. This certificate should be proved valid with seal.  
本证明未加盖产品质量证明无效。



INSPECTOR 检验员:

CONSIGNOR 发货员: PEI CHEN

ISSUED DATE 发证日期: 2012-01-03