

PRODUCTION CERTIFICATE

CUSTOMER	PLESA ANAHUAC Y CIAS SA DE CV	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. 兹为您单位制造之钢管，经本公司质量管理部门标准技术条件及合同检验合格，特发此证。					CERTIFICATE No.	MTCRU1146-2	
PRODUCT	ERW TUBES						L/C NO.:	5601175513	
M.P	HFW	STANDARD	(√) API SPEC 5L () API SPEC 5CT	(√) PSL1 () PSL-1	() PSL2 () PSL-2	HEAT TREATMENT OF WELDING SEAM	(√) HN () Z	CONTRACT No.	RU1146

STEEL GRADE	HEAT NO.	SPECIFICATION (mm)	QTY		CHEMICAL COMPOSITION 管坯化学成份 (%)																		
			MT	PCS	C	Si	Mn	P	S	Cr	Mo	Al	Ni	N	Cu	Nb	V	Ti	B	Sn	Re	Ca	CEV
B	11-05249	219.1X6.35X6200	100.184	485	0.16	0.24	0.38	0.023	0.021	0.017	0.004	-	0.018	-	0.017	0.005	0.002	0.010	-	-	-	-	-
B	11-06323	219.1X8.18X6200	150.105	569	0.15	0.21	0.32	0.022	0.016	0.012	0.002	-	0.012	-	0.012	0.011	0.010	0.013	-	-	-	-	-

TOTAL 总计: (250.289) MT (吨) (1054) PCS (支)					MECHANICAL PROPERTY OF WELDING SEAM 钢管焊缝物理性能										(√) UT 超声波探伤			HYDROSTATIC TEST	
MECHANICAL PROPERTY OF PIPE BODY 管体物理性能																			

Y.S. (R _{0.5}) 屈服强度 MPa	T.S. (R _m) 抗拉强度 MPa	E.L. 伸长率 (%)	IMP 冲击功(J) ℃	SHEARING AREA 剪切面积	FLATTENING 压扁			T.S. 抗拉强度 MPa	IMP 冲击功 (J) ℃	HARDNESS	WELDING SEAM 100%	DELAMINATION OF PIPE END	TEST PRESSURE	DELAY TIME
					1/2	1/3	JOINT 贴合							
320	450	32.0	-	-	OK			-	-	-	OK	OK	10.7MPa	7s
300	430	33.0	-	-	OK			-	-	-	OK	OK	13.7MPa	7s

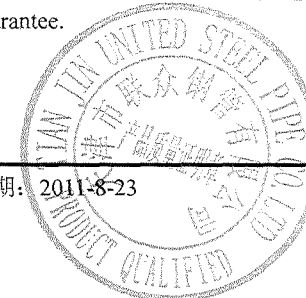
SIGN/SEAL OF THE THIRD PARTY DETECTION 第三方检验签章处								NOTES 注释		Y.S.=YIELD STRENGTH E.L.=ELONGATION		T.S.=TENSILE STRENGTH IMP=IMPACT VALUE(IND)	
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NOTES 说明: 1、 Pressure pipes used with ordinary pipes will be regarded as ordinary ones.
承压管与一般管混用时，一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

INSPECTOR 检验员: SHIGE ZHANG

CONSIGNOR 发货员: PEI CHEN

ISSUED DATE 发证日期: 2011-8-23



张世格