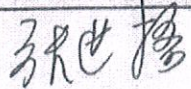


天津市联众钢管有限公司 TIANJIN UNITED STEEL PIPE CO.,LTD

PRODUCTION CERTIFICATE

CUSTOMER	PLESA ANAHUAC Y 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.	MTCLZ1330					
PRODUCT	ERW ROUND PIPE																L/C NO.:	M929341					
M. P	HFV	STANDARD	ASTM A53 GR.B										HEAT TREATMENT OF WELDING SEAM	(√)HN (-)Z	CONTRACT NO.	RU1330							
STEEL GRADE 钢级	HEAT NO. 炉号	SPECIFICATION 规格 (mm)	QTY 数量		CHEMICAL COMPOSITION 管坯化学成份 (%)																		
			MT (吨)	PCS (支)	C	Si	Mn	P	S	Cr	Mo	Al	Ni	N	Cu	Nb	V	Ti	B	Sn	Re	Ca	CEV 碳当量
B	31-04940	Φ88.9*5.49*6150	22.294	321	0.16	0.19	0.39	0.021	0.026	0.016	0.011	-	0.012	-	0.010	0.007	0.005	0.003	-	-	-	-	-
B	13050097	Φ168.3*6.35*6150	200.734	1287	0.17	0.18	0.41	0.021	0.025	0.011	0.006	-	0.011	-	0.014	0.011	0.009	0.007	-	-	-	-	-
B	30303634	Φ168.3*7.11*6150	21.728	125	0.18	0.16	0.42	0.023	0.022	0.010	0.005	-	0.009	-	0.013	0.010	0.007	0.005	-	-	-	-	-
TOTAL 总计: (244.756) MT (吨) (1733) PCS (支)			MECHANICAL PROPERTY OF WELDING SEAM 钢管焊缝物理性能										(√) UT 超声波探伤				HYDROSTATIC TEST 水压						
MECHANICAL PROPERTY OF PIPE BODY 管体物理性能																							
Y.S. (R _{0.2}) 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 硬度试验	WELDING SEAM 焊缝 100%	DELAMINATION OF PIPE END 管端分层	TEST PRESSURE 实压力	DELAY TIME 保压时间									
					1/2	1/3	JOINT 黏合																
325	440	30.0	-	-	OK			-	-	-	OK	OK	17.0MPa	6s									
315	445	29.0	-	-	OK			-	-	-	OK	OK	11.1MPa	6s									
310	455	31.0	-	-	OK			-	-	-	OK	OK	12.4MPa	6s									
SIGN/SEAL OF THE THIRD PARTY DETECTION 第三方检验签章处								NOTES 注释		Y.S=YIELD STRENGTH T.S=TENSILE STRENGTH E.L=ELONGATION IMP=IMPACT VALUE (IND)													
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章无效。																							

INSPECTOR 检验员:



CONSIGNOR 发货员: PEI CHENG

ISSUED DATE 发证日期: 2013.5.23