

# LN 天津市联众钢管有限公司

## TIANJIN UNITED STEEL PIPE CO.,LTD

CODE (编码): LZ/CX14-JL07A

### MILL CERTIFICATE

NO (编号): 131226-2

CUSTOMER 订货单位	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.	-			
PRODUCT 货物名称	ERW ROUND PIPE											L/C NO.	M930222			
M. P 制造工艺	HFW	STANDARD 检查依据	ASTM A53 API 5L GREDE B										HEAT TREATMENT OF WELDING SEAM 焊缝热处理	(√)M (-)Z	CONTRACT No.	RU13152

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	31-12740	Φ219.1*8.18*6150	98.651	377	0.13	0.15	0.42	0.025	0.023	0.013	0.010	-	0.010	-	0.008	0.010	0.009	0.006	-	-	-	-	-
B	32-12827	Φ219.1*8.18*6150	31.925	122	0.12	0.14	0.41	0.024	0.022	0.010	0.011	-	0.009	-	0.011	0.009	0.012	0.004	-	-	-	-	-

TOTAL 总计: (130.576) MT (吨) (499) PCS (支)			MECHANICAL PROPERTY OF WELDING SEAM 钢管焊缝物理性能										(√) 电磁探伤		HYDROSTATIC TEST 水压	
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) ℃	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%	DELAMINATIN OF PIPE END 管端分层	TEST PRESSURE 实 验压力	DELAY TIME 保压时间
					1/2	1/3	JOINT 贴合							
320	440	30.0	-	-	OK			450	-	-	-	-	-	-
310	445	28.0	-	-	OK			455	-	-	-	-	-	-

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. 2、Quality defects occurred in transit is beyond our guarantee.  
 承压管与一般管混用时, 一律按一般管保证。 运输装卸中造成的产品缺陷不予保证。

3、Any changes by handwriting is invalid. 4、This certificate should be proved valid with seal.  
 本证明任何手写或改动均无效。 本证明未加盖产品质量证明章无效。

INSPECTOR 检验员: 张世格

CONSIGNOR 发货员: 陈培

ISSUED DATE 发证日期: 2013.12.26

