



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

CERTIFICATE OF PRODUCT QUALITY  
产品质量证明书

NO. (编号): 1701101109

CODE (编码): L2/CX14-1J07D

CUSTOMER 订货单位	E-STEEL, INC.		We hereby certify that the material described here in 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. 质检字	QC01
PRODUCT 货物名称	ERW ROUND STEEL PIPE		STANDARD 检查依据												CAR NO. 车号	
M.P 制造工艺	HRW		API 5L GR B/ASTM A53 GR B												HEAT TREATMENT OF WELDING SEAM 焊缝热处理	
															CONTRACT No. 合同号	A016010

STEEL GRADE 钢级	HEAT NO 炉号	SPECIFICATION 规格 (mm)	WEIGHT WT (吨)	PCS (支)	CHEMICAL COMPOSITION 化学成分 (%)																		
					C	SI	Mn	P	S	Cu	Ni	Cr	Mo	Ti	V	Al	Nb	N	B	Sn	Ce	Ca	CE <sub>total</sub>
B	201612220	Φ168.3*7.11*6150	96.298	554	0.18	0.20	0.32	0.021	0.026	0.010	0.011	0.012	0.001	0.002	0.005	-	0.010	-	0.000	-	0.001	-	-

MECHANICAL PROPERTY OF PIPE BODY 管体物理性能					MECHANICAL PROPERTY OF WELDING SEAM 钢管焊缝物理性能					(-) 超声波探伤		(✓) EMAT 电磁超声波		(-) ET 涡流探伤		T-S=TENSILE STRENGTH IMP=IMPACT VALUE (IND)	
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. (A) 伸长率 A50mm (%)	IMP 冲击功 (J)	FLATTENING 压扁	T.S. (R <sub>m</sub> ) 抗拉强度 MPa	IMP 冲击功 (J)	WELDING SEAM 焊缝100%	DELTAMINATION OF PIPE END 管端分层	PIPE BODY 管体	TEST PRESSURE 试验压力 MPa	DELAY TIME 保压时间 秒						
325	445	33.0	-	OK	452	-	OK	-	-	12.4	6s						

SIGN/SEAL OF THE THIRD PARTY DETECTION  
第三方检验签章处

NOTES  
注

- Pressure pipes used with ordinary pipes will be regarded as ordinary ones.
  - Quality defects occurred in transmit 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。
- 说明:  
3. Any changes by handrewriting 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 张世格

CONSIGNOR 陈培

