



YANGZHOU LONTRIN STEEL TUBE CO.,LTD MILL TEST CERTIFICATE (EN 10204:2004-3.1)

CUSTOMER : AMERICAN PIPING PRODUCTS, INC

Product Delivery Condition: Normalized

ISO. REGISTRATION NO: 44 100 072544

PRODUCT: SEAMLESS TUBE

Steel Making Process: FULLY KILLED

CONTRACT NO: P13700

SPEC: ASME(2013) A/SA333 GR.6/ASTM(2014)/ASME(2013) A/ SA106 GRADE-B/C/ASTM(2012)/ASME(2013) A53 GRADE-B/API 5L
GRADE-B/X42 PSL-2(45th ed).NACE MR-0175(2009)/ISO 15156&MR-0103

CERTIFICATE No: 14EX08440-2-01

TOTAL:		8 PIECES		51788.26 LB		302.62 FT		PACKING IN BUNDLES												
NO	HEAT NO.	BATCH NO.	STEEL GRADE	SIZE (INCH)	PCS	WEIGHT LB	CHEMICAL COMPOSITION (L:Ladle Analysis&P:Product Analysis)%													
							C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Ti	Nb	CE	
1	E21404119QX	140960057	SA333 GR.6/A/ SA106 GRADE-B/C/A53 GRADE-B/GRADE-B/X42 PSL-2	18"X0.938"XDRL	8	51788.26	L	0.17	0.22	1.24	0.012	0.008	0.08	0.02	0.01	0.010	0.01	0.010	0.001	0.40
							P	0.19	0.22	1.31	0.012	0.009	0.08	0.02	0.02	0.010	0.01	0.010	0.001	0.43
							P	0.18	0.21	1.29	0.011	0.006	0.08	0.02	0.02	0.010	0.01	0.010	0.001	0.42
NO	MECHANICAL PROPERTIES					NONDESTRUCTIVE TEST			NONDESTRUCTIVE TEST acc. ASTM E 213			SURFACE QUALITY		DIMENSION TOLERANCE						
	ReL (MPa) YIELD STRENGTH	Rm (MPa) TENSILE STRENGTH	ELONGATION A%	HARDNESS HBN	IMPACT TEST(J) 10*10*55mm L, -46℃	R/A (%)	FLATTENING TEST	PMI	HT	ET	UT	IN	OUT	O.D.	W.T.					
1	501/450	611/560	22/26	170	91 86 84	41/62	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory					

REMARKS 1. We hereby certify that the materials described herein have been manufactured, inspected and tested in accordance with the customer's specification(s), and that they satisfy the requirements.

2.H.T: Pressure:2970PSI ,Holding time 15 s

3.Heat Treatment: Normalized 880-920℃

4.No Weld Repair on the pipe and material produced with Mercury Free ; Surface of pipe suitable for FBE Coating

ADDRESS: XINGGANG ROAD, DAQIAO TOWN, JIANGDU CITY, JIANGSU PROVINCE, CHINA, Tel:86-0514-86430111 Fax:0514-86430333

MANAGING REPRESENTATIVE:



DATE: October.31, 2014