



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 STEEL PIPES

Steel Making Process: FULLY KILLED

CONTRACT NO: P13507-1

SPEC: ASTM(2011)/ASME(2010) A/SA333 GR.6/ASTM(2012)/ASME(2013) A53-B/ASTM(2011)/ASME(2010)A/SA106-B/C,API5L(45th)-B/X42 PSL1,NACE MR0175(2003)/ ISO 15156 NACE MR0103(2007)

CERTIFICATE No: 14EX06308-1-01

TOTAL:		14 PIECES		86387.25 LB		504.79 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	S11404100QX	140760050	A/SA333 GR.6/A53-B A/SA106-B/C,B/X42	18" X 0.938"XDRL	14	86387.25	L	0.20	0.19	1.26	0.014	0.006	0.09	0.02	0.03	0.010	0.003	0.010	0.001	0.43
							P	0.19	0.19	1.16	0.011	0.006	0.05	0.01	0.02	0.010	0.010	0.010	0.001	0.40
							P	0.20	0.19	1.18	0.012	0.005	0.05	0.01	0.02	0.010	0.010	0.001	0.41	
NO	MECHANICAL PROPERTIES					NONDESTRUCTIVE TEST			NONDESTRUCTIVE TEST acc. ASTM E 213			SURFACE QUALITY		DIMENSION TOLERANCE						
	ReL (MPa) YIELD STRENGTH	Rm (MPa) TENSILE STRENGTH	ELONGA-TION A%	HARD-NESS HBW	IMPACT TEST(J) 10*10*55mm L, -46℃	R/A (%)	FLATTEN-ING TEST	PMI	H.T	ET	UT	IN	OUT	O.D.	W.T.					
1	359/362	543/539	30/28	160	67 47 41	60/65	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory					

REMARKS

- 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.
- H.T: Pressure:2970PSI ,Holding time 15 s
- Heat Treatment: Normalized 880-920℃
- No Weld Repair on the pipe and material produced with Mercury Free ; Surface of pipe suitable for FBE Coating

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MANAGING REPRESENTATIVE:

STAMPER



DATE:

August.20, 2014