



**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: P13336

SPEC: ASTM(2012) A53-B ASTM(2013)/ASME(2013) A/SA106-B/C ,API 5L-B/X42 PSL1(45th) all items Normalized NACE MR0175(2009)/ISO15156 NACE MR0103(2007)

CERTIFICATE No: 14EX04205-2-01

TOTAL:		1 PIECES		6792.3726 LB		39.69816 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	AL	Nb	CE		
1	S11401585QX	140560007	GRB/X42/A/SA106B/C/A53B	18.000"x0.938"xDRL	1	6792.3726	L	0.21	0.24	1.27	0.012	0.006	0.05	0.01	0.02	0.001	0.001	0.001	0.006	0.001	0.43	
							P	0.21	0.19	1.17	0.010	0.007	0.03	0.01	0.02	0.003	0.001	0.001	0.003	0.001	0.41	
							P	0.22	0.18	1.11	0.008	0.004	0.03	0.01	0.02	0.003	0.001	0.001	0.003	0.001	0.41	
NO.	MECHANICAL PROPERTIES							NONDESTRUCTIVE TEST		H.T	NONDESTRUCTIVE TEST		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°C		R/A (%)	FLATTEN -ING TEST	PMI		ET	UT	IN	OUT	O.D.	W.T.						
1	362/396	550/585	31/25	167/171	35	31	27	67/63	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°C
- 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:

*mjhor*

STAMPER:



DATE: July.01, 2014