



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: P13336-1

SPEC: ASTM(2012)/ASME(2013) A/SA53-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: 14EX04205-1-01

TOTAL:		18 PIECES		122399.39 LB		715.2559 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/A/SA53 B	18.000"×0.938"×DRL	18	122399.39	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	ELONGATION A%	HARDNESS HBW	IMPACT TEST(J) 10*10*55mm L, -46℃			R/A (%)		FLATTENING 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℃
- 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: May.28, 2014