

Mill Test Certificate

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Mar 05, 2015

Product: Seamless Carbon Steel Pipe Product Heat Number: BSM-2282 Product Size: 26STD Production Date:

Production Method: **Hot Expansion** Product Heat Treatment: As-rolled Certificate No.: MTR-

Product Standards: ASME B36.10-2004, API 5L-45th Ed. Grade B PSL1, ASTM/ASME A106-2014/SA106-2013 Grade B/C NDE, A53-2012/SA53-2013 Grade B Type S, NACE MR0175-2009 MR0103-2012

Product Markings

BSM-2282

Heat

NPS 26 STD 0.375in. WT

12

DRL

102.6

ŝ

<10

Pass

Pass

Pass

Pass

Pass

Pass

Plain End

End

Heat

HEAT BSM-2282 (PIPE # LENGTH MASS) 102.6Ib/ft ASTM/ASME A/SA106 GR B/C A/SA53 GR B NACE MR0175/MR0103 MADE IN CANADA <API & L/C No.> API SPEC 5L NPS 26 STD 0.375 INCHWT GR B PSL1 SMLS 2015/03 NDE 700PSI

Test Type **Product Size** Product: Details Pieces Length Mass lb/ft Geiger μR/hr Res. Mag. Gauss Visual Insp. 9 Non-Destructive Testing ₹ 5 ASTM E213 **ASTM** 四 700 PSI/ HydroTest S G Condition

	BSM-2282	Heat	
Blast Furnace; EAF; Ladle Refining; Vacuum Degas; Fully Killed		Steelmaking Method	
Product	Heat	Test Type	
0.21	0.20	С	
0.97	0.98	Mn	
0.009	0.011	Р	
0.008	0.007	S	Chemical
0.21	0.22	Si	Chemical Analysis (wt%)
0.10	0.08	Cr	wt%)
0.04	0.04	Cu	
0.01	0.01	Mo	
0.03	0.02	N:	
0.004	0.001	٧	
0.003	Ī	Ti	
0.001	1	Nb	
0.0002		В	
0.40	1	CE(IIW)	
0.40	t	CE(CSA)	

Heat		BSM-2282		Heat		
Test Impact Test	Heat		Test Type			
	Ferrite & Pearlite		Microstructure			
	79 HRBW		Hardness			
Temp		Temp	Pass		Flattening Test	
Impact Energy		Longitudinal; 38.1 mm x WT	50mm GL	Tension Test	Mechanical Properties	
% Shear	47,300	psi	Yield (Rt0.5)	100		
	74,500	psi	Tensile (Rm)			
Lateral Expansion	0.63	(Rt0.5/Rm)	Υ/Τ			
	40	%	Elongation (A)	No.		
		L	L			

Additional Details:

BSM-2282

Standard

Sample Details

c

AVG

%

%

%

AVG

mm

mm

mm

AVG

 We hereby certify that this pipe product was manufactured, sampled, tested and inspected by Bri-Steel Manufacturing Inc. in accordance with results meet the corresponding requirements. Bri-Steel Manufacturing is registered and certified to ISO-9001:2008 and API Q1. API 5L-45th Ed., ASTM/ASME A106-2014/SA106-2013 Grade B/C A53-2012/SA53-2013, and the purchase order requirements, and that the

✓ This pipe product meets the sour service requirements of NACE MR0175/ISO 15156-2:2009 Annex A2 for Region 3 Sour Service-2009 NACE MR0103-2012 Section 2.1

✓ No weld repairs have been performed on this product.

✓ This product has not come into contact with mercury during the Bri-Steel Manufacturing processes.

 \checkmark This certificate represents a quality control system that is compliant with EN 10204:2004 Type 3.1.

Mill Test Certificate approved by:



Tonya Lam, C.E.T.

Assistant QA Manager