



Mill Test Certificate

Bri-Steel Manufacturing
2125-64 Avenue NW Edmonton AB Canada T6P 1Z4

Product: Seamless Carbon Steel Pipe

Product Heat Number:

BSM-2486

Product Size:

5XS

Production Date:

Julv 30. 2015

Production Method: Hot Expansion

Product Heat Treatment: Normalized (920°C) and Tempered (750°C)

MTR 001900

Product Standards: ASME B36.10-2004, ASTM A335/ASME SA335-2015 GRADE P22, NACE MR0175-2009 MR0103-2012

Product Markings: **BRI-STEEL MFG NPS 26 XS 0.5 INCHWT ASTM/ASME A/SA335 GR. P22 NDE(UT) 850PSI SM1.5 2015/07**

HEAT BSM-2486 (PIPE# LENGTH MASS) 136.20 lb/ft NACE MR0175/MR0103 MADE IN CANADA

Product Details						Non-Destructive Testing						
				Mass lb/ft	Geiger µR/hr	Res.Mag. Gauss	Visual Insp.	UT	UT	ET	HydroTest 850 psi/5s	End Condition
Heat	Test Type	Product Size*	Pieces	Length	<5	<20	Pass	OD	WT	ASTM E213	ASTM E309	32.5° Bevel
BSM-2486	Heat	NPS 26 XS 0.5 in.WT	3	DRL	136.20		Pass	Pass	Pass	Pass	Pass	

Chemical Analysis (wt%)																			
Heat	Steelmaking Method	Analysis	C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V	Ti	Nb	B	CE (Pcm)	CE (CSA)		
			BSM-2486	Blast Furnace; EAF; Ladle Refining; Vacuum Degas; Fully Killed	Heat	0.11	0.47	0.014	0.001	0.33	2.12	-	0.90	-	-	-	-	-	-
					Product	0.11	0.47	0.014	0.003	0.32	2.13	0.01	0.91	0.02	0.004	0.001	0.002	0.0003	0.31

Mechanical Properties

Additional Details:

- ✓ We hereby certify that this pipe product was manufactured, sampled, tested and inspected by Bri-Steel Manufacturing Inc. in accordance with ASTM/ASME A/SA335-2015, and the purchase order requirements, and that the results meet the corresponding requirements. Bri-Steel Manufacturing is registered and certified to ISO-9001:2008 and API Q1.
- ✓ This product has not come into contact with mercury during the Bri-Steel Manufacturing processes.
- ✓ This certificate represents a quality control system that is compliant with EN 10204:2004 Type 3.1.
- ✓ No weld repairs have been performed on this product.
- ✓ This pipe meets the sour service requirements of NACE MR0175/ISO 15156-2:2009 Annex A2 for Region 3 Sour Service, and NACE MR0103-2012 Section 2.1

Mill Test Certificate approved by:

Kenton Dechant, P.Eng.
Manager of Quality and R&D

2015 July 30