

Bri-Steel Manufacturing Inc.

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www.brichemsteel.com

Seamless Carbon Steel Pipe Product Heat Number: B5

Product:

BSM-0257

Mill Test Certificate

Product Size: NPS 18 STD

8 STD Pi

Production Date: March 15, 2012

Production Method: Hot Expansion Product Heat Treatment: As-rolled

Product Standards: ASTM/ASME A/SA106-2011 Grade B/C, A/SA53-2010 Grade B Type S, NACE MR0175-2009

Product Markings: .BRI-STEEL MFG NPS 18 STD ASTM/ASME A/SA106 GR B/C A/SA53 GR B HEAT BSM-0257 (PIPE # LENGTH MASS) NDE 1030PSI NACE MR0175 2012/03 MADE IN CANADA.

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2141.0277	RSM_0257	near				
HICAL	Heat		Took Took		1	
TO	10	NPS	200			7
310	CTD	SCH				Product Detail
F	۷	Pieces	?			IIS
DKL	22	Length				
/0.59	10.00	lb/tt	:	Mass		
ŝ	,	μR/hr	. '	Geiger		
<20	0	Gauss	(Res.Mag.		
Pass		insp.	W0000000000000000000000000000000000000	Visual		
Pass		00				Non-Dest
Pass		\$	1	S		ructive
1 2		ASTM E213		UT		esting
Pass		ASTM E309		7		
Pass) 1030 psi/5s		HydroTest		
37.5° Bevel		Condition		End.		

R2N-10727	220010	неаг				
неат		lest type	1			
Refining; Vacuum Degas		Blast Furnace; EAF; Ladle	1	Steelmaking Method		
0.19		0				
0.86		S _D				
0.010		ס				
0.006		S				Chemical A
0.22		<u>s</u>				l Analysis (wt%)
0.03		Q			1	(wt%)
0.09		5				
0.01		<u>S</u>				
0.03		Z.				
0.003		<				
0.001		=!				
0.001	140	25				
0.0001		p				
0.35	(1144)	(W)	, ר	Ç		
0.35	(22)	(25)	5	CE		

	1570-MSB		неат	=	
	Heat		lest lype	1	
	Ferrite & Pearlite		Microstructure		
	75		HRBW	Hardness	
	Pass		Flattening Test		Mechar
Longitudinal	Transverse		Flattening Test 50mm GL; 38mm x WT	Tension Test	Mechanical Properties
46,400	42,200		DSi.	Yield (Rt0.5)	
46,300	40,200	1.5.	DSi.	Yield (Rp0.2)	
72,000	72,000	200	ps.	Tensile (Rm)	
0.64	0.59	Tricological,	(Rt0 5/Rm)	7/7	
43	40	,0	%	Elongation (A)	

Additional Details:

results meet the corresponding requirements. Inc. in accordance with ASTM/ASME A/SA106-2011, A/SA53-2010 and the purchase order requirements, and that the ✓ We hereby certify that this pipe product was manufactured, sampled, tested and inspected by Bri-Steel Manufacturing

Service, and NACE MR0103-2010 Section 2.1. ✓ This pipe product meet the sour service requirements of NACE MR0175/ISO 15156-2:2009 Annex A2 for Region 3 Sour

 \checkmark No weld repairs have been performed on this product. This product has no mercury contamination \checkmark This certificate represents a quality control system that is compliant with EN 10204:2004 Type 3.1.

Mill Test Certificate approved by:

2012 Mar 27

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