

Bri-Steel Manufacturing Inc.

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www.brichemsteel.com

Product: Seamless Carbon Steel Pipe

Product Heat Number: BSM-0120

Product Size:

Mill Test Certificate

NPS 18 STD

Production Date: 2011 Nov 29

Production Method: Hot Expansion

Product Standards:

Product Heat Treatment: As-rolled

ASTM/ASME A/SA106-2010 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-0120 (PIPE # LENGTH MASS) NDE 1030PSI NACE MR0175 2011/11 MADE IN CANADA.

BS	1		Τ
BSM-0120	_		
Heat	Test Type		
18	NPS		- P
STD	SCH		Product Detail
1	Pieces		ils
DRL	Length		
2809 LB	Mass		
S	μR/hr	Geiger	
<20	Gauss	Res.Mag.	
Pass	Insp.	Visual	
Pass	OD		Non-I
Pass	WT	TU	Destructive 1
1	ASTM E213	TU	esting
Pass	ASTM E309	ET	
Pass) 1030 psi/5s	HydroTest	
37.5° Bevel	Condition	End	

BSM-0120	Heat	E 0 0 +		
Heat	iest Type	Tort Time		
Refining; Vacuum Degas	bidst ruifidce; cAr; tadie	Diact France: FAF. India	Steelmaking Method	
0.21	()		
0.88	MIN			
0.012	7	,		
0.008	v	,		Chemica
0.21	ū	?		l Analysis (
0.03	2)		(wt%)
0.10	5)		
0.01	Mo			
0.03	2			
0.003	<			
0.001	H			
0.001	Nb			
0.0001	В			
0.37	(IIW)		CE	
0.38	(CSA)		CE	

		Т	_	Т
	BSM-0120	Heat		
	Heat	Test Type		
	Ferrite & Pearlite	Microstructure		
	78	HRBW	Hardness	
	Pass	Flattening Test		Mechan
Longitudinal	Transverse	50mm GL; 38mm x WT	Tension Test	Mechanical Properties
48,100	47,700	psi	Yield (Rt0.5)	
47,900	46,300	psi	Yield (Rp0.2)	
76,000	77,000	psi	Tensile (Rm)	
0.63	0.62	(Rt0.5/Rm)	۲/۲	
43	37	%	Elongation (A)	

Additional Details:

results meet the corresponding requirements. Inc. in accordance with ASTM/ASME A/SA106-2010, 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

No weld repairs have been performed on this product. This product has no mercury contamination.

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

Mill Test Certificate approved by:

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

BUIDEC 1