



Mill Test Certificate

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Welded Carbon Steel Pipe Product Heat Number: BSM-2216

Product Size:

NPS 20 STD

Production Date: January 8, 2015

Certificate Number: 1848

HFIW & Hot Expansion Product Heat Treatment: Thermomechanical Formed

Product Standards: ASME B36.10-2004, ASTM/ASME A/SA53 Grade A Type E

Production Method:

Product:

Product Markings: BRI-STEEL MFG NPS 20 STD 0.375 INCHWT HFIW 2015/01 NDE 800PSI HEAT BSM-2216 (PIPE # LENGTH MASS) 78.60 LB/FT ASTM/ASME A/SA53 GR B MADE IN CANADA

	BSM-2216	Heat		
	6 Heat	Test Type		
	NPS 20 STD 0.375 in.WT	Product Size		Product Detail
	ı	Pieces		5
	DRL	Length	0.00	
	78.60	lb/ft	Mass	
	Ġ	μR/hr	Geiger	
	<20	Gauss	Res.Mag.	
	Pass	Insp.	Visual	
	Pass	OD		Non-E
	Pass	WT	TU	Destructive
	Pass	ASTM E213	TU	Testing
	Pass	ASTM E309	ET	
	Pass	800 psi/5s	HydroTest	
ı	32.5º Bevel	Condition	End	

	BSM-2216		:	
Vacuum Degas	Blast Fur	Steelmaking Method		
Product	Heat	Analysis	i e	
0.16	0.17	C		
0.29	0.29	Mn		
0.009	0.014	P		
0.29 0.009 0.009 0.06 0	0.003	S		Chemical Analysis (wt%)
0.06	0.06	Si		Analysis
0.04	1	유		(wt%)
0.02	11	5		
0.01	,	Mo		
0.01	1	Z.		
0.003	0.002	<		
0.001	0.001	Ti		
0.001	7	Nb		
0.0001	•	В		
0.25	-	(IIW)	CE	
0.25		(CSA)	CE	

	BSM-2216 Heat Ferrite & Pearlite	Microstructure		
	66	HRBW	Hardness	
	Pass	Flattening Tests		Mechan
Transverse to Weld; 38mm	Longitudinal; 25.4mm x WT	50mm GL	Tension Test	Mechanical Properties
,	42,700	psi	Yield (Rt0.5)	
61,500	60,000	psi	Tensile (Rm)	
ı	0.71	(Rt0.5/Rm)	Υ/Τ	
-	43	%	Elongation (A)	

Additional Details:

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

✓ 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:

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