

Product:

Seamless Carbon Steel Pipe

Product Heat Number:

BSM-1539

Mill Test Certificate

2125-64 Avenue, Edmonton, AB Canada T6P 1Z4 Bri-Steel Manufacturing Inc.

Fax: 001 (780) 469-6986 Tel: 001 (780) 469-6603

www.brichemsteel.com

Product Size: 24 STD **Production Date:** Jan 16, 2014

Product Standards: Production Method: Hot Expansion Product Heat Treatment: As-rolled Certificate No.: MTR- 000757

ASME B36.10-2004, ASTM/ASME A/SA106-2013 Grade B/C NDE, A/SA53-2012 Grade B Type S, NACE MR0175-2009 MR0103-2010

Product Markings NPS 24 STD 0.375 INCHWT SMLS 2014/01 NDE 750PSI

MEAT BSM-1539 (PIPE # LENGTH MASS) 94.62lb/ft ASTM/ASME A/SA106 GR B/C A/SA53 GR B NACE MR0175/MR0103 MADE IN CANADA

BSM-1539		Heat	
Heat		Test Type	
NPS 24 STD 0.375in. WT		Product Size	Product: Details
4		Pieces	
DRL		Length	
94.62	lb/ft	Mass	
5	μR/hr	Geiger	
<10	Gauss	Res. Mag.	
Pass	Insp.	Visual	
Pass		OD	No
Pass	TW	TU	Non-Destructive Testin
Pass	ASTM E213 ASTM	TU	ive Testing
Pass	ASTM	ET	
Pass	750PSI/ 5 s	HydroTest	700
34° Bevel	Condition	End	

		BSM-1539	Heat	
	Cogas, Fully Allieu	Blast Furnace; EAF; Ladle Refining; Vacuum	Steelmaking Method	
0.0	Product	Heat	Test Type	
	0.20	0.17	С	
	0.86	0.87	Mn	
	0.015	0.010 0.005	Р	
	0.86 0.015 0.006	0.005	S	Chemical Analysis (wt%)
	0.23	0.23	Si	Analysis (
	0.04	0.04	Cr	wt%)
	0.09	0.07	Cu	
	0.01	0.01	Mo	
	0.04	0.05	Ni	
	0.003		٧	
	0.001		Ti	
	0.001		Nb	
	0.0002	0.0004	В	
	0.36	t	CE(IIW)	
	0.36	-	CE(CSA)	

BSM-1539		Heat
1	Standard	Test
1	Sample Details	Impact Test
ı	°C	Temp
ı	J	
,	J	Impact
1	J	Energy
-	AVG	
1	%	
1	%	% Shea
	%	ear
-	AVG	
-	mm	
_	mm	Lateral Ex
	mm	pansion
,	AVG	

Additional Details:

- \checkmark We hereby certify that this pipe product was manufactured, sampled, tested and inspected by Bri-Steel Manufacturing Inc. in results meet the corresponding requirements accordance with ASTM/ASME A/SA106-2013 Grade B/C A/SA53-2012, and the purchase order requirements, and that the
- \checkmark This pipe product meets the sour service requirements of NACE MR0175/ISO 15156-2:2009 Annex A2 for Region 3 Sour Service-2009 NACE MR0103-2010 Section 2.1
- ✓ No weld repairs have been performed on this product.
- \prime 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:

Janden 2014 JAN 23

Paul Sowden, T.T.

Assistant QA Manager