

## FLO-MAC, INC.

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Manufacturer of Butt-Weld Pipe Fittings

CERTIFICATE OF CONFORMANCE

Date:2-16-18

Specification: ASTM B366/A403, ASME SB366/SA403, ASME B16.9

FLO-MAC CERTIFIES THESE FITTINGS MEET THE REQUIREMENTS NOTED ABOVE

	and sections	This war		1
<u>Description</u>		Job	Heat	Starting Tracer
.75" S40 AL6XN TEES		3603 M	845843	0495346US
1" S10 AL6XN TEES		3603 N	849613-02	0501848US
1" S40 AL6XN TEES		7 3603 Q	<b>8462</b> 02	0485776US
1.5" S40 AL6XN TEES		3603 P	849556	0493027US
2" S10 AL6XN TEES		36 <b>03</b> Q	849613-02	050185OUS
2" S40 AL6XN TEES	A.	3603 <b>R</b>	<sup>3</sup> 847049	0525878US
22 510 47 6777			847049	0519518US
3" S10 AL6XN TEES		3603 S	851330	0517878US
4" S10 AL6XN TEES	•	3603 T	847842	0499676US\
4" S40 AL6XN TEES		3603 U	846605	0499676US
6" S10 AL6XN TEES		<b>36</b> 03 V	849613	0501932DS
6" S40 AL6XN TEES	100 mg/mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	3603 W	847842	048844005
		!		

Per table 1 of ASTM B366-10a, and table 2 of ASTM A403-15, UNS N08367 fittings are stenciled WP6XN-W. Heat treated at 2025F minimum, followed by rapid water quench. Meet requirements of E110204 3.1

Mark Pedulla

Sales

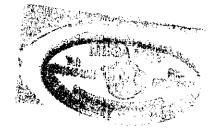
Receiving Inspection

By: 2/24/8

HERT # 847842

TRACER # 0529716U





RM ID NUMBER 109533 SALES ORDER / RLS 20050006103 CERT ID / REV 5200

## MILL TEST REPORT

CT tomot con	T. Committee of the Com			L			ь,		
CUSTOMER P.O. 0132491TUL		CUST	OMER	PART	HEAT NO.		* (38) W	<del></del>	,
DESCRIPTION: 33006	00040671676	h			847842	A.			
6" WELDED PIPE SCH	FID ANG AT 6	ኢንያኒኒኒው ስኒስ	JE# 310	Pacas person			Sec.	of sacr	
	DD TOD ALO	NIA (OI	124 140	8307) B675 CL2			· Say	1	ļ
ENGINEERING	<del></del>	<del> </del>	<b></b>	CERTIFICATION	ON REQUIREMENTS	200 mg - 1 mg -	2.00	<del></del>	
ASTM B675-02/ASME	SB675-15 &	A STRA	1212 1	E ACIATION DATE		18/18/18	4.4.2	4	
HYDRO PRESSURE		<u>ואון פֿיט</u>	N312-1	D. NOME SA312-15 (	<u> </u>		*****	k*	
1000 PSI	ĺ		ì			at the same	2	-	
HEAT TREAT			<del> </del>			100			
Annealed at 2150 - 2200	Deg F, and v	vater ou	enched	to below 800 Dec. E.:	n loop than 3 miles		30		
	Chen	nicol		to pertition the tree to					
— <u>— —                                 </u>	Carcin	incar	Ì		<u>M</u>	echanical			
Test				Result	Test				
Carbon	·	.023	1		Tensile A	1000	Result		
Manganese		.45			Yield *	108200		-   -	
Phosphorus	i. [	.027				54500			
Sulfur	:	0003			Elongation	5.7		man company to the control of the co	District Charter to
Silicon	-	.54			Hardness RB	91		14.7	
Nickel		23,75				.2		ا <b>المحمد</b> و المار	
Chromium		20.55	]		Tension	Pass	1.7.		SA MILA
Molybdenum	. ]	6.11	1		Flattening	Pass	· 1		
Copper	;	.27			Ultrasonic	Pass	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A SHANNE SHANN	
Nitrogen	: 1	.23					ħ. 1	hash are	Land Control
Country of Origin						}		W. 1944	
TOTAL OF OTHER	ŀ	USA	1						
	<u> </u>		1	l		1	**************************************	1 7.4	14 Land 19 19 19 19 19 19 19 19 19 19 19 19 19

This report shall not be altered or reproduced, except in full, without the prior written approval of Bristol Metals LLC. This test report represents the actual attributes of the items furnished and all items were manufactured, sampled, inspected, and tested in full compliance with applicable specifications and your purchase order.

Certification is in accordance with EN10204:2004 type 3.1.

Chemical content is % by weight. Mechanical test results are in English units (inches and pounds).

No weld repairs have been performed on the base material

Hardness in accordance with NACE MR0 75/ISO 15156-3:2009 and MR0103-2012 and material is free of cold work to entire

mechanical properties.

Pipe is Pickled and Passivated in accordance with ASTM A380.

Bristol Metals has a Quality Management System in place that is in compliance with ISO 9001:2008.

In compliance with Pressure Equipment Directive (PED) 97/23/BC as Category 1 material unless otherwise stated. Bristol Metals does not add mercury or radioactive materials during any manufacturing process.

NAFTA country of origin: USA. Pipe/Tube Manufactured in the USA. Raw Material Melt Source: USA FAR BAA - Complies, DFARS BAA - Complies FAR TAA - Complies.

Pipe/Tube has been double welded using an PFW process.

Date Printed: 09/13/2016

Receiving Inspection

0488440US TRACER #

HEAT # 847842

TRACER # 0529716US