



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

Description

.75" S40 AL6XN TEES

1" S10 AL6XN TEES

1" S40 AL6XN TEES

1.5" S40 AL6XN TEES

2" S10 AL6XN TEES

2" S40 AL6XN TEES

3" S10 AL6XN TEES

4" S10 AL6XN TEES

4" S40 AL6XN TEES

6" S10 AL6XN TEES

6" S40 AL6XN TEES

Job

3603 M

3603 N

3603 O

3603 P

3603 Q

3603 R

3603 S

3603 T

3603 U

3603 V

3603 W

Heat

845843

849613-02

846202

849556

849613-02

847049

847049

851330

847842

846605

849613

847842

Starting Tracer

0495346US

0501848US

0485776US

0493027US

0501850US

0525878US

0519518US

0517878US

0499676US

0499676US

0501932US

0488440US

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 EN ISO 204 3.1

Mark Pedulla
Sales

Receiving Inspection

By: [Signature]
Date: 2/24/18

HEAT # 847842



TRACER # 0529716US

BRISTOL METALS
BRISTOL METALS, LLC

MILL TEST REPORT

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

CUSTOMER P.O. 0132491TUL		CUSTOMER PART		HEAT NO. 847842	
DESCRIPTION: 330600040671675010 6" WELDED PIPE SCHED 40S AL6XN (UNS# N08367) B675 CL2					
CERTIFICATION REQUIREMENTS					
ENGINEERING ASTM B675-02/ASME SB675-15 & ASTM A312-16, ASME SA312-15 (ex)					
HYDRO PRESSURE 1000 PSI					
HEAT TREAT Annealed at 2150 - 2200 Deg F. and water quenched to below 800 Deg. F. in less than 3 minutes.					
Chemical			Mechanical		
Test	Result	Test	Result	Test	Result
Carbon	.023	Tensile	108200		
Manganese	.45	Yield	54500		
Phosphorus	.027	Elongation	57		
Sulfur	.0003	Hardness RB	91		
Silicon	.54				
Nickel	23.75	Tension	Pass		
Chromium	20.55	Flattening	Pass		
Molybdenum	6.11	Ultrasonic	Pass		
Copper	.27				
Nitrogen	.23				
Country of Origin	USA				

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 MR0175/ISO 15156-3:2009 and MR0103-2012 and material is free of cold work to ensure 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/EC 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 EFW process.

QF-576

Date Printed: 09/13/2016

Jan R. Baird

Receiving Inspection

By: *[Signature]*

Date: *9/16/16*

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