



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

SUPERIOR SUPPLY & STEEL
318 CITIES SERVICE HWY
SULPHUR, LA 70663
PO: P0216255-01

Quantity

Product

Heat Code

Heat Treatment Info

Steel Mill

23

1 1/2" STD LR 45° ELBOW

A180982

Hot Formed

PLYMOUTH TUBE CO.

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.17	0.64	0.006	0.009	0.26	0.17	0.06	0.10	0.020	0.00	0.021	0.001	-	0.001	73,000	39,900	31.40	-	159	161



SEGM

WIPB

24

2" x 1 1/2" XS Concentric Reducer

483Bn

Heat Treat: Normalized

BENTELER

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.17	0.98	0.010	0.002	0.25	0.17	0.06	0.12	0.040	0.00	-	0.001	0.0005	0.000	73,200	39,900	33.00	69.80	141	141



WIPB

We hereby certify that the material meets the following:

- All fittings and flanges meet NACE MRO-17/ISO 15156:latest Revision.
- All fittings and flanges meet NACE MRO 103 - Latest Revision.
- All non high yield fittings meet the requirements of ASTM A-234 WPB (AND SA-234).
- All fittings are seamless except as noted.
- All non high yield flanges meet the requirements of ASTM A-105 (AND SA-105)
- Starting Material Seamless Pipe for elbows, tees and reducers.
- Plate for caps and welded fittings.
- Bars, Billets or Blooms for flanges and certain caps and tees.
- Ladle chemistry reported.
- Copyright © 2018 Weldbend Corp.

Mark Torres
Mark Torres
Quality Assurance Department
6/18/2020



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We hereby certify that the material meets the following:

- ISO 9001:2015 CERTIFIED MANUFACTURER
- Test Results herein are correct as contained in test records retained by the company in accordance with EN 10 204 Para 3.1 in accordance with PED 97/23/EC/2/2.
- No Weld Repair Performed. No Lead Content. No Mercury Content.
- Knowingly making false, fictitious, or fraudulent statements on a MTR may result in legal liability.
- Material has been manufactured/supplied and tested in accordance with the Weldbend Quality System Program 09/08/17 Rev. 4

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