



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

SUPERIOR SUPPLY & STEEL
318 CITY'S SERVICE HWY
SULPHUR, LA 70663
PO: P0209304-01

Quantity

Product

Heat Code

Heat Treatment Info

Steel Mill

48

2" Std LR 90° Elbow

A180231

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
0.18	0.66	0.010	0.008	0.25	0.19	0.07	0.16	0.030	0.00	0.021	0.000	-	0.000	72,800	39,900	26.50	-	148	152



SEGM
WPPB

96

1 1/2" Std LR 90° Elbow

A175678

Hot Formed

MICHIGAN SEAMLESS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.18	0.77	0.008	0.017	0.21	0.14	0.07	0.11	0.040	0.00	0.021	-	-	0.001	64,202	39,900	52.10	-	136	138

WPPB

36

1" Std LR 90° Elbow

A175250

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
0.18	0.70	0.008	0.013	0.25	0.11	0.08	0.10	0.030	0.00	0.020	0.003	-	0.000	69,600	39,900	45.00	-	151	152

WPPB

3

6" Std SR 90° Elbow

DS851

Hot Formed

NIPPON

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.19	0.64	0.018	0.005	0.22	0.01	0.02	0.06	0.010	0.00	-	0.000	0.0000	0.000	71,700	39,900	21.80	-	168	163

WPPB

We hereby certify that the material meets the following:

- All fittings and flanges meet NACE MRO-103 - Latest Revision.
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- 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

Handwritten signature

Mark Torres

Quality Assurance Department
8/30/2019



Scan For Online Report

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/7/2
- 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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Cert #260687

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