



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

SUPERIOR SUPPLY & STEEL
318 CITY'S SERVICE HWY
SULPHUR, LA 70663
PO: P0206341-01

Quantity Product Heat Code Heat Treatment Info Steel Mill

60	2" XSLR 90° Elbow										A180981	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	0.24	0.14	0.06	0.09	0.020	0.00	0.021	0.001	-	0.000	69,700	39,900	26.90	-	153	153	
CE (IIV): 0.312																				
										<p>A 234 WPB-13 Dimensional Specification: 816.9</p> <p>SEGM WPB</p>										

96	1 1/2" XSLR 90° Elbow										A173891	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	0.008	0.014	0.25	0.19	0.08	0.12	0.030	0.00	0.022	0.001	-	0.000	71,500	39,900	36.00	68.00	110	110	
CE (IIV): 0.325																				
										<p>A 234 WPB-13 Dimensional Specification: 816.9</p> <p>SEGM WPB</p>										

60	1 1/2" XSLR 90° Elbow										J7L1142	Hot Formed	NIPPON							
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2	
0.11	1.32	0.015	0.001	0.24	0.02	0.02	0.12	0.010	0.01	-	0.010	0.0001	< 0.001	76,900	39,900	30.40	-	162	162	
CE (IIV): 0.361																				
CE (PCM): 0.193																				
										<p>A 234 WPB-13 Dimensional Specification: 816.9</p> <p>WPB</p>										

3	3" XSLR 90° Elbow										DP184	Heat Treat: Normalized	NIPPON							
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2	
0.17	0.64	0.016	0.006	0.22	0.01	0.02	0.04	0.010	0.00	-	0.000	0.0001	0.000	64,200	39,800	60.80	-	133	135	
CE (IIV): 0.289																				
CE (PCM): 0.213																				
										<p>A 234 WPB-13 Dimensional Specification: 816.9</p> <p>WPB</p>										

We hereby certify that the material meets the following:

- All fittings and flanges meet NACE MRO-175/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.

Mark Torres

Mark Torres

Quality Assurance Department

Cert #254917 393725



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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/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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