



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

SUPERIOR SUPPLY & STEEL
318 CITY'S SERVICE HWY
SULPHUR, LA 70663
PO: P0216718-01

Quantity

Product

Heat Code

Heat Treatment Info

Steel Mill

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill														
12	3" XS LR 90° Elbow	A185794	Hot Formed	PLYMOUTH TUBE CO.														
				A 234 WPB-13 Dimensional Specification: B16.9														
C	Mn	P	S	Si	Cr	Mo	V	Al	Ti	B	CB	Tens.	Yield	Elong	ROA	BHN	BHN2	
0.20	1.03	0.011	0.005	0.32	0.19	0.06	0.14	0.030	0.05	0.025	0.001	-	84,400	39,900	44.00	56.00	183	179
CE (IWI): 0.432																		

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill														
24	2" XS LR 90° Elbow	A184825	Hot Formed	PLYMOUTH TUBE CO.														
				A 234 WPB-13 Dimensional Specification: B16.9														
C	Mn	P	S	Si	Cr	Mo	V	Al	Ti	B	CB	Tens.	Yield	Elong	ROA	BHN	BHN2	
0.17	0.68	0.008	0.010	0.25	0.18	0.09	0.12	0.030	0.00	0.020	0.000	-	68,900	39,900	27.00	-	162	165
CE (IWI): 0.332																		

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill														
12	1 1/2" XS LR 90° Elbow	A173891	Hot Formed	PLYMOUTH TUBE CO.														
				A 234 WPB-13 Dimensional Specification: B16.9														
C	Mn	P	S	Si	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	-	71,500	39,900	36.00	68.00	110	110
CE (IWI): 0.325																		

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
7	8" XS LR 45° Elbow	190042	Hot Formed	V & M STAR															
				A 234 WPB-13 Dimensional Specification: B16.9															
C	Mn	P	S	Si	Cr	Mo	V	Al	Ti	B	CB	Tens.	Yield	Elong	ROA	BHN	BHN2		
0.20	1.04	0.008	0.004	0.30	0.14	0.05	0.12	0.010	0.06	0.037	0.003	0.0003	0.000	83,000	39,900	30.70	-	181	179
CE (IWI): 0.424																			
CE (PCM): 0.284																			

We hereby certify that the material meets the following:

- All fittings and flanges meet NACE MR0175/ISO 15156-Latest Revision.
- All fittings and flanges meet NACE MR0103 - 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 fittings meet the requirements of ASTM A-105 (AND SA-105).
- Starting Material Seamless Pipe for elbow, tees and reducers.
- Plate for caps and welded fittings.
- Bars, billets or blooms for flanges and certain caps and tees.
- Labels chemistry reported.
- Copyright © 2018 Weldbend Corp.

Handwritten Signature



Mark Torres
Quality Assurance Department
5/20/2020

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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/12
- No Weld Repair Performed. No Lead Content. No Mercury Content.
- Knowledgeably 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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