



6600 South Harlem Avenue
 Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
 PO Box 2388
 Sulphur, LA
 PO: P0236064-01

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
6	3" X5 SR 90° Elbow	217058	Hot Formed	JFE STEEL CORP. A 234 WPB-13 Dimensional Specification: B16.9															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.20	0.53	0.021	0.010	0.23	0.01	0.01	0.04	0.000	0.00	-	-	-	-	67,297	39,900	37.40	-	134	127
CE (IW): 0.298																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
10	3" SIDL R 45° Elbow	A216471	Hot Formed	PLYMOUTH TUBE CO. A 234-18 WPB Dimensional Specification: B16.9															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.20	1.04	0.009	0.013	0.33	0.18	0.07	0.11	0.030	0.05	0.021	0.000	-	0.000	86,900	39,900	21.90	-	180	185
CE (IW): 0.428																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
24	3/4" X5 LR 45° Elbow	E827	Heat Treat: Stress Relieved	PODBRE A 234-94 Dimensional Specification: B16.9															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.14	0.39	0.009	0.003	0.26	0.15	0.06	0.08	0.000	0.00	-	-	-	0.000	66,573	39,900	37.00	-	144	-
CE (IW): 0.235																			

- 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 (ANP 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.

Richard Purpura

Richard Purpura
 Quality Assurance Department
 10/13/2022



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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 PED Annex 1, Paragraph 4.3 of 2014/68/EU
 - 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 most current version of the Weldend Quality System Program
 - MTR issued in accordance with EN 10204 paragraph 3.1

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