



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															
36	1 1/2" XS LR 90° Elbow	307646	Hot Formed	MAXHUETTE															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.13	0.79	0.011	0.001	0.27	0.12	0.13	0.20	0.030	0.00	0.028	0.001	0.0002	0.000	81,200	39,900	24.50	-	176	180
CE (IIV): 0.324																			
CE (PCM): 0.200																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
48	2" XS LR 90° Elbow	108726	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
0.19	0.75	0.008	0.021	0.24	0.16	0.08	0.10	0.023	0.00	0.018	-	-	0.003	75,400	39,900	32.80	72.40	136	135
CE (IIV): 0.357																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
12	3" XS LR 90° Elbow	A222808	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
0.20	1.03	0.007	0.016	0.33	0.13	0.05	0.08	0.030	0.06	0.019	0.001	-	0.003	85,300	39,900	22.90	-	183	182
CE (IIV): 0.417																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
2	10" XS LR 90° Elbow	L60045	Hot Formed	V & M STAR															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.21	1.05	0.010	0.004	0.29	0.15	0.05	0.12	0.010	0.06	0.033	0.003	0.0002	0.000	88,000	39,900	30.70	-	184	182
CE (IIV): 0.436																			
CE (PCM): 0.294																			

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 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.

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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 Weldbend Quality System Program
- MTR issued in accordance with EN 10204 paragraph 3.1

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