



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															
24	4" Std LR 90° Elbow	MG0034	Hot Formed	V & M STAR 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	1.02	0.009	0.004	0.24	0.10	0.05	0.12	0.010	0.06	0.028	0.004	0.0001	0.000	82,500	39,900	26.30	-	164	163
CE (IW): 0.417																			
CE (PCM): 0.278																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
4	6" Std LR 90° Elbow	MF0018	Hot Formed	V & M STAR 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
0.19	1.03	0.013	0.005	0.24	0.19	0.06	0.13	0.030	0.06	0.035	0.004	0.0001	0.000	80,100	39,900	31.40	-	167	166
CE (IW): 0.422																			
CE (PCM): 0.275																			

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
2	8" Std LR 90° Elbow	MG0144	Hot Formed	V & M STAR 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
0.17	1.20	0.011	0.003	0.26	0.15	0.05	0.10	0.020	0.07	0.029	0.003	0.0002	0.000	81,100	39,900	30.60	-	169	164
CE (IW): 0.421																			
CE (PCM): 0.261																			

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 A234 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.
- Knowledgeably marking 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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