



6600 South Harlem Avenue  
Argo, IL 60501-1930

### Material Test Report

WELDBEND CORPORATION  
PO Box 2388  
Sulphur, LA  
PO: PQ236064-01

#### Quantity

#### Product

#### Heat Code

#### Heat Treatment Info

#### Steel Mill

48	1 1/2" Std LR 90° Elbow										A175678	Hot Formed	MICHIGAN SEAMLESS							
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2	
0.18	0.77	0.008	0.017	0.21	0.14	0.07	0.11	0.040	0.00	0.021	-	-	0.001	64,202	39,900	52.10	-	136	138	
CE (IW): 0.353																				

A 234 WPB-13  
Dimensional Specification: 816.9



12	2 1/2" Std LR 90° Elbow										A212395	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	
0.18	0.71	0.005	0.019	0.22	0.15	0.09	0.11	0.030	0.00	0.025	0.000	-	0.001	69,100	39,900	26.90	-	154	155	
CE (IW): 0.343																				

A 234-18 WPB  
Dimensional Specification: 816.9



60	3" Std LR 90° Elbow										A222809	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	
0.21	1.01	0.005	0.015	0.33	0.15	0.06	0.07	0.030	0.06	0.018	0.001	-	0.003	83,900	39,900	20.30	-	173	173	
CE (IW): 0.424																				

A 234-18 WPB  
Dimensional Specification: 816.9



- 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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Cert #341353

*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 or 2014/68/EU
  - No Weld Repair Performed. No Lead Content. No Mercury Content.
  - Knowledgeably making false, misleading, 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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