



6600 South Harlem Avenue  
Argo, IL 60501-1930

### Material Test Report

WELDBEND CORPORATION  
PO Box 2388  
Sulphur, LA  
PO: P0233154-01

#### Quantity

#### Product

#### Heat Code

#### Heat Treatment Info

#### Steel Mill

12

1 1/2" Std Cap

53680

Heat Treat: Normalized

JADE-STERLING STEEL CO

A 234-18 WPB

Dimensional Specification: B16.9

C	Mn	P	S	Si	Cu	Ni	Cr	Mg	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.17	0.83	0.015	0.022	0.21	0.19	0.07	0.16	0.030	0.04	0.001	0.001	0.0003	0.002	74,700	39,900	18.90	-	155	158

CE (IIW): 0.372

CE (PCM): 0.245

12

6" x 4" XS Concentric Reducer

12204

Heat Treat: Normalized

V & M STAR

A 234-18 WPB

Dimensional Specification: B16.9

C	Mn	P	S	Si	Cu	Ni	Cr	Mg	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.18	0.82	0.008	0.007	0.22	0.22	0.07	0.10	0.020	0.00	0.032	0.002	0.0002	0.000	73,600	39,900	28.80	-	152	149

CE (IIW): 0.360

CE (PCM): 0.248

24

1 1/2" Std LR 45° Elbow

A180982

Hot Formed

PLYMOUTH TUBE CO.

A 234 WPB-13

Dimensional Specification: B16.9

C	Mn	P	S	Si	Cu	Ni	Cr	Mg	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.17	0.64	0.006	0.009	0.26	0.17	0.06	0.10	0.020	0.00	0.021	0.001	-	0.001	73,000	39,900	31.40	-	159	161

CE (IIW): 0.316



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-224).
- 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.
- Local chemistry reported.

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Cert #338952

*Richard Purpura*

Richard Purpura

Quality Assurance Department

9/20/2022



Scan For Online Report

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/drappled 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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