



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
PO Box 2388
Sulphur, LA
PO: P0238406-01

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill																
13	1" XS LR 45° Elbow	J3K4093	Hot Formed	NIPPON																
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Ca	Tens.	Yield	Elong	ROA	BHN	BHN2	Dimensional Specification: 816.9
0.12	1.33	0.010	0.015	0.23	0.01	0.02	0.11	0.020	0.00	0.035	0.010	-	0.000	66,862	45,107	53.00	-	156	131	
CE (IW): 0.370																				

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill																
24	1 1/2" Std Cap	320Bo	Heat Treat: Normalized	JADE-STERLING STEEL CO																
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Ca	Tens.	Yield	Elong	ROA	BHN	BHN2	Dimensional Specification: 816.9
0.19	0.88	0.008	0.015	0.23	0.22	0.21	0.14	0.020	0.00	0.020	0.001	0.0003	0.000	76,300	50,000†	18.50	-	172	172	
CE (IW): 0.397																				
CE (PCM): 0.266																				

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill																
6	8" x 6" Std Concentric Reducer	797BN	Heat Treat: Normalized	US STEEL																
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Ca	Tens.	Yield	Elong	ROA	BHN	BHN2	Dimensional Specification: 816.9
0.21	0.95	0.010	0.001	0.23	0.16	0.05	0.08	0.050	0.00	0.029	0.002	0.0003	0.000	78,300	50,000†	29.50	-	161	161	
CE (IW): 0.408																				
CE (PCM): 0.283																				

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill																
6	6" x 4" XS Concentric Reducer	11129	Heat Treat: Normalized	US STEEL																
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Ca	Tens.	Yield	Elong	ROA	BHN	BHN2	Dimensional Specification: 816.9
0.20	0.93	0.005	0.003	0.21	0.11	0.03	0.07	0.010	0.00	0.028	0.002	0.0002	0.004	73,800	50,000†	31.80	-	150	154	
CE (IW): 0.360																				
CE (PCM): 0.265																				

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 A234 WPB (AND SA-234)
- All fittings are seamless except as noted.
- All non-high yield flanges meet the requirements of ASTM A105 (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.

† This indicates that the reported yield is capped at 50,000 psi.

Richard Purpura

Richard Purpura
Quality Assurance Department
1/26/2023



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We hereby certify that the material meets the following:

- ISO 9001:2015 CERTIFIED MANUFACTURER
- Test Results referent are correct as contained in test records retained by the company in accordance with PED Annex 1, Paragraph 4.3 of 2017/68/EU
- No Weld Repair Performed. No Lead Content. No Mercury Content.
- Knowledge 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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