



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					
8		10" Class 150 Blind RF								AA8				Hot Formed				CMC STEEL					
<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5			
0.19	1.01	0.009	0.014	0.22	0.32	0.08	0.07	0.030	0.00	0.003	0.001	0.0001	0.001	79,700	39,900	27.60	56.10	152	152	A 105			
CE (IIW): 0.405																							
CE (PCM): 0.271																							

Quantity		Product								Heat Code				Heat Treatment Info				Steel Mill					
80		2" Class 150 Slip-on RF								BF2				Hot Formed				CMC STEEL					
<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5			
0.19	0.98	0.009	0.007	0.21	0.24	0.10	0.04	0.024	0.00	0.002	0.001	0.0002	0.001	83,300	39,900	29.40	59.10	161	161	A 105			
CE (IIW): 0.389																							
CE (PCM): 0.264																							

Quantity		Product								Heat Code				Heat Treatment Info				Steel Mill					
45		4" Class 150 Slip-on RF								AL3				Hot Formed				CMC STEEL					
<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5			
0.18	1.03	0.008	0.014	0.23	0.25	0.09	0.06	0.020	0.00	0.002	0.001	0.0001	0.000	80,500	39,900	29.00	57.80	161	160	A 105			
CE (IIW): 0.390																							
CE (PCM): 0.258																							

Quantity		Product								Heat Code				Heat Treatment Info				Steel Mill					
24		4" Class 150 Welding Neck XSB RF								CH3				Hot Formed				CMC STEEL					
<u>C</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Si</u>	<u>Cu</u>	<u>Ni</u>	<u>Cr</u>	<u>Mo</u>	<u>V</u>	<u>Al</u>	<u>Ti</u>	<u>B</u>	<u>Cb</u>	<u>Tens.</u>	<u>Yield</u>	<u>Elong</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5			
0.18	1.05	0.010	0.016	0.22	0.22	0.08	0.05	0.022	0.00	0.001	0.001	0.0002	0.001	83,400	39,900	28.20	54.00	164	164	A 105			
CE (IIW): 0.389																							
CE (PCM): 0.257																							

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 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
5/27/2022



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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 EN 10 204 Para 3.1 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