



6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
PO Box 2388
Sulphur, LA
PO: P0230978-01

Quantity		Product										Heat Code					Heat Treatment Info					Steel Mill		
24		3" Class 150 Welding Neck StdB RF										3DD73					Hot Formed					RIVA		
<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>Elon</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5				
0.19	1.07	0.009	0.010	0.24	0.12	0.07	0.13	0.020	0.00	0.030	0.020	0.0003	0.001	73,000	39,900	30.00	70.00	144	143	A 105				
CE (IIW): 0.406																								
CE (PCM): 0.263																								

Quantity		Product										Heat Code					Heat Treatment Info					Steel Mill		
32		4" Class 150 Welding Neck StdB RF										1C195					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>Elon</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5				
0.18	0.99	0.018	0.013	0.22	0.30	0.13	0.15	0.044	0.00	0.003	0.001	0.0002	0.001	80,400	39,900	29.60	64.90	157	156	A 105				
CE (IIW): 0.412																								
CE (PCM): 0.265																								

Quantity		Product										Heat Code					Heat Treatment Info					Steel Mill		
7		6" Class 150 Welding Neck StdB RF										AY5					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>Elon</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5				
0.19	1.02	0.007	0.015	0.22	0.29	0.08	0.07	0.020	0.00	0.002	0.001	0.0001	0.000	80,900	39,900	28.90	57.80	153	154	A 105				
CE (IIW): 0.403																								
CE (PCM): 0.269																								

Quantity		Product										Heat Code					Heat Treatment Info					Steel Mill		
36		1" Class 150 Slip-on RF										349Y					Hot Formed					ALTON 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>Elon</u>	<u>ROA</u>	<u>BHN</u>	<u>BHN2</u>	A 105-18 Dimensional Specification: B16.5				
0.21	1.13	0.019	0.034	0.22	0.22	0.08	0.16	0.046	0.03	0.001	0.001	0.0003	0.003	89,300	39,900	25.50	58.00	170	173	A 105				
CE (IIW): 0.465																								
CE (PCM): 0.302																								

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
3/28/2022



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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