

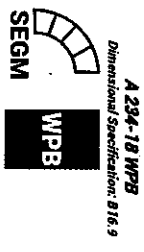


6600 South Harlem Avenue
 Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
 PO Box 2388
 Sulphur, LA
 PO: P0236382-01

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
36	1 1/2" XS LR 45° Elbow	307646	Hot Formed	MAXHUETTE															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.13	0.79	0.011	0.001	0.27	0.12	0.13	0.20	0.030	0.00	0.026	0.001	0.0002	0.000	81,200	39,900	24.50	-	176	180
CE (IIV): 0.324																			
CE (PCM): 0.200																			



Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
12	3" x 2" Std Concentric Reducer	7908N	Heat Treat: Normalized	BENTELER															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.18	1.02	0.012	0.003	0.26	0.17	0.07	0.12	0.020	0.01	-	0.003	0.0003	0.002	74,400	39,900	25.40	-	164	161
CE (IIV): 0.395																			
CE (PCM): 0.259																			



Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
13	4" Std LR 45° Elbow	MC0378	Hot Formed	V & M STAR															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.20	1.04	0.009	0.004	0.25	0.16	0.06	0.12	0.020	0.05	0.036	0.004	0.0001	0.000	80,400	39,900	29.20	-	169	165
CE (IIV): 0.427																			
CE (PCM): 0.283																			



Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill															
12	1 1/2" XS LR 90° Elbow	J7L1142	Hot Formed	NIPPON															
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elong	ROA	BHN	BHN2
0.11	1.32	0.015	0.001	0.24	0.02	0.02	0.12	0.010	0.01	-	0.010	0.0001	<0.001	76,800	39,900	30.40	-	162	162
CE (IIV): 0.361																			
CE (PCM): 0.193																			



- We hereby certify that the material meets the following
- 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.
 - Copyright © 2021 Weldbend Corp.

Richard Purpura



Richard Purpura
 Quality Assurance Department
 10/18/2022

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/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
- Generated by sryan@weldbend.com

Cert #341828