WELDBEND

6600 South Harlem Avenue
Argo, IL 60501-1930

Material Test Report

WELDBEND CORPORATION
PO Box 2388
Sulphur,LA
PO: P0243643-01

Quantity	Product	Heat Code	Heat Treatment Info	Steel Mill
3	8" XS LR 45° Elbow	MJ0179	Hot Formed	V & M STAR

A 234-18 WPB
Dimensional Specification: B16.9

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elon	ROA	BHN	BHN2
0.19	1.04	0.011	0.006	0.28	0.14	0.06	0.11	0.020	0.06	0.037	0.004	0.0002	0.000	81,300	50,000†	32.60	-	177	177

CE (IIW): 0.414
CE (PCM): 0.273

SEGM

WPB

Quantity	Product	Heat Code	Heat Treat: Normalized	Steel Mill
12	4" Std Straight Tee	22N383		NIPPON

A 234-18 WPB
Dimensional Specification: B16.9

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elon	ROA	BHN	BHN2
0.12	1.27	0.010	0.001	0.23	0.02	0.02	0.11	0.010	0.00	0.034	0.010	0.0001	0.000	68,400	47,100	32.10	-	148	145

CE (IIW): 0.358
CE (PCM): 0.199

WPB

Quantity	Product	Heat Code	Heat Treat: Normalized	Steel Mill
12	6" Std Straight Tee	23N335		JINDAL SAW LTD

A 234-18 WPB
Dimensional Specification: B16.9

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Al	Ti	B	Cb	Tens.	Yield	Elon	ROA	BHN	BHN2
0.17	1.13	0.015	0.003	0.30	0.01	0.01	0.02	0.006	0.00	-	0.003	0.0003	0.001	75,400	50,000†	30.40	-	157	159

CE (IIW): 0.365
CE (PCM): 0.240

WPB

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e hereby certify that the material meets the following
-ll fittings and flanges meet NACE MRO-175/ISO 15156-Latest Revision.
-ll fittings and flanges meet NACE MRO-103 - Latest Revision
-ll non high-yield fittings meet the requirements of ASTM A-234 WPB (AND SA-234).
-ll fittings are seamless except as noted;
-ll non-high yield flanges meet the requirements of ASTM A-105 (AND SA-105)
starting Material Seamless Pipe for elbows, tees and reducers;
late for caps and welded fittings.
ars, Billets or Blooms for flanges and certain caps and tees
adle chemistry reported.
This indicates that the reported yield is capped at 50,000 psi.

Cert #369044

Richard Purpura

Richard Purpura
Quality Assurance Department
8/24/2023

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

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