

BULL MOOSE TUBE ELKHART FACILITY
 CERTIFICATION OF TESTS

12/04/12
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**BULL MOOSE TUBE
 COMPANY**

1819 Clarkson Rd.
 Chesterfield, Missouri 63017

Paulo Ortega
ORIGINAL

48310

BILL TO Ferre Barniedo, S.A. de C.V.
 Av. Revolucion No. 81
 San Cristobal- Ecatepec
 FINAL DEST.: SAN LUIS POTOSI
 Edo. de Mexico 55000

SHIP TO TAF Forwarding Agency
 TAF Forwarding Agency, Inc.
 1207 Uniroyal Drive-Unitex Ind. Park
 Patente #4100 Apd Jorge M. Medrano Sanchez
 FINAL DEST.: SAN LUIS POTOSI
 Laredo TX 78041

B/L Number 275753

TTPX_811106

4" SQ X 0.375 HR X 40'
 101.6 mm
 ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals
 Structural-Dual Certified

Order # 403085
 Purchase Order # 600573
 Item # 102328 2560

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 230529

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %	
.048	.742	.013	.005	.036	.021	.031	.019	.024	.008	.003	0.000	0.000	0.000	0.000	0.000	182	62010	69850	36

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 240225

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %	
.055	.775	.013	.006	.046	.014	.030	.013	.019	.005	.062	0.000	0.000	0.000	0.000	0.000	182	62220	69330	35

6" X 3" X 0.187 HR X 40'

76.2 X 152.4 mm
 ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals
 Structural-Dual Certified

Order # 403085
 Purchase Order # 600573
 Item # 100437 1928

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 843Y72270

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %	
.060	.820	.012	.004	.035	.026	.046	.013	.020	.010	.062	0.000	0.000	0.000	0.000	0.000	207	66810	77610	28

6" X 3" X 0.187 HR X 40'

76.2 X 152.4 mm
 ASTM A500-10 GRADE B & C

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 Structural-Dual Certified

Order # 403085
 Purchase Order # 600573
 Item # 100437 1928

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = Q4480

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %	
.040	.610	.009	.006	.040	.018	.021	.150	.070	.060	.003	0.000	0.000	0.000	0.000	0.000	173	61910	69690	31

Quality Manager: *Richard Cary*

ESTE ORIGINAL DE NUESTROS ARCHIVOS
 FERRE BARNIEDO S.A. DE C.V.
 REMISION DE VENTAS
 9-36 10-00
 ferrebarniedo.com.mx

THIS WELDED STEEL TUBING IS MANUFACTURED IN THE UNITED STATES OF AMERICA AND HAS BEEN PRODUCED IN ACCORDANCE WITH THE STATED SPECIFICATION. LADLE CHEMISTRIES ARE REPORTED FROM DOCUMENTS PROVIDED BY THE SUPPLYING STEEL MILL. ANY PHYSICAL AND MECHANICAL TESTING RESULTS SHOWN ON THIS CERTIFICATION ARE CORRECT AS CONTAINED IN THE RECORDS OF THE COMPANY.

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76.2 X 152.4 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals

Structural-Dual Certified

Customer Item #

Order # 403085
Purchase Order # 600573
Item # 100437 1928

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = V67464

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.080	.440	.009	.009	.056	.012	.029	.030	.040	.010	0.000	0.000	0.000	0.000	0.000	.166	64170	71710	33

10" SQ X 0.250 HR X 40'

254 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals

Structural-Dual Certified

Customer Item #

Order # 403085
Purchase Order # 600573
Item # 107299 6400

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 833Y71340

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.070	.840	.014	.006	.035	.025	.049	.021	.030	.010	0.002	0.000	0.000	0.000	0.000	.223	69800	77440	32

10" SQ X 0.250 HR X 40'

254 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals

Structural-Dual Certified

Customer Item #

Order # 403085
Purchase Order # 600573
Item # 107299 6400

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = L68487UNI

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.080	.630	.009	.008	.031	.009	.038	.020	.030	.010	0.000	0.000	0.000	0.000	0.000	.195	65540	73720	30

10" SQ X 0.250 HR X 40'

254 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals

Structural-Dual Certified

Customer Item #

Order # 403085
Purchase Order # 600573
Item # 107299 6400

Raw Material is of Domestic Origin - Melted and Manufactured in the USA

Heat # = 833Y71340

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.070	.840	.014	.006	.035	.025	.049	.021	.030	.010	.002	0.000	0.000	0.000	0.000	.223	69800	77440	32

Quality Manager:

Richard Lary

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