

BULL MOOSE TUBE ELKHART FACILITY
 CERTIFICATION OF TESTS

02/06/13
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**BULL MOOSE TUBE
 COMPANY**

1819 Clarkson Rd.
 Chesterfield, Missouri 63017

Pronto Lab
ORIGINAL

48654

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-Unitek Ind. Park
 Patent#4100 Apd Jorge M. Medrano Sanchez
 FINAL DEST.: SAN LUIS POTOSI
 Laredo TX 78041

B/L Number 280122

Ship Via

TTPX_806061

16" X 8" X 0.375 HR X 40'
 203.2 X 406.4 mm
 ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals
 Structural-Dual Certified
 Customer Item #

Order # 403085
 Purchase Order # 600573
 Item # 107895 5129

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

Heat # = 341250

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.063	.773	.006	.003	.037	.020	.030	.017	.035	.009	.004	.004	0.000	.017	.004	.206	65170	73260	34

4" SQ X 0.500 X HR X 40'

101.6 mm
 ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals
 Structural-Dual Certified
 Customer Item #

Order # 403085
 Purchase Order # 600573
 Item # 107649 2560

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

Heat # = 291125

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.065	.722	.007	.005	.038	.014	.038	.022	.036	.008	.003	.002	0.000	.056	.198	.198	62400	72830	37

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

Heat # = 341249

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.059	.735	.006	.004	.047	.013	.025	.017	.030	.009	.003	.003	0.000	.018	.004	.193	61180	69970	36

4" SQ X 0.500 X HR X 40'

101.6 mm
 ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals
 Structural-Dual Certified
 Customer Item #

Order # 403085
 Purchase Order # 600573
 Item # 107649 2560

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

Heat # = Q2963

P NG

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.050	.630	.008	.004	.027	.027	.022	.130	.040	.080	0.000	0.000	0.000	0.000	0.000	.182	57160	67740	37

Quality Manager:

Richard Long

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.