

BULL MOOSE TUBE ELKHART FACILITY  
 CERTIFICATION OF TESTS

08/02/12  
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**BULL MOOSE TUBE  
 COMPANY**

1819 Clarkson Rd.  
 Chesterfield, Missouri 63017

*Richard Long*  
**ORIGINAL**

47343

**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  
 Pate #4100 App Jorge M. Medrano Sanchez  
 FINAL DEST.: SAN LUIS POTOSI  
 Laredo TX 78041

B/L Number 266940

Ship Via

TTPX 80467

5" X 3" X 0.250 HR X 40'

76.2 X 127.0 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals

Structural-Dual Certified

Customer Item #

Order # 390188

Purchase Order # 6004570001

Item # 100427 1926

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

Heat # = 239278

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	P	NG	YLD psi	TSN psi	ELN
.062	.808	.045	.006	.041	.021	.030	.035	.004	.004	.004			62650	73670	30

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

Heat # = Q2728

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	P	NG	YLD psi	TSN psi	ELN
.050	.680	.011	.004	.037	.037	.021	.130	.060	.060	0.000			62000	71170	34

5" X 3" X 0.250 HR X 40'

76.2 X 127.0 mm

ASTM A500-10 GRADE B & C

Ladle Analysis and Physicals

Structural-Dual Certified

Customer Item #

Order # 390188

Purchase Order # 6004570001

Item # 100427 1926

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

Heat # = L55483

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	P	NG	YLD psi	TSN psi	ELN
.690	.008	.008	.045	.013	.039	.030	.030	.010	0.000	61830			72630	31	

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

Heat # = 248680

C	MN	P	S	AL	SI	CB	CU	CR	NI	VA	P	NG	YLD psi	TSN psi	ELN
.058	.776	.008	.005	.043	.022	.030	.010	.028	.004	.004			61570	69540	33

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.