

BULL MOOSE STEEL COMPANY

BULL MOOSE TUBE ELKHART FACILITY
CERTIFICATION OF TESTS
EN 10204:2004 TYPE 3.1 CERT

07/28/14
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1819 Clarkson Rd.
Chesterfield, Missouri 63017

ORIGINAL

BILL TO Ferre Barniedo, S.A. de C.V.
Av. Revolucion No. 81
San Cristobal- Ecatepec
FINAL DEST.: SAN LUIS POTOSI
Edo. de Mexico 55024

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 324149

Ship Via

TTPX_81347

8" SQ X 0.625 HR X 40'

203.2 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Customer Item #

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

Heat # = D81708

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.090	.640	.011	.005	.035	.014	.001	.030	.040	.010	.086	.006	0.000	.001	.004	.228	54420	69180	35

8" SQ X 0.625 HR X 40'

203.2 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Customer Item #

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

Heat # = D81707

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.090	.650	.014	.006	.053	.018	.001	.030	.040	.005	.101	.006	0.000	.001	.005	.233	52190	70190	36

8" SQ X 0.625 HR X 40'

203.2 mm

ASTM A500-13 GRADE B

Ladle Analysis and Physicals

Customer Item #

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

Heat # = D81708

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.090	.640	.011	.005	.035	.014	.001	.030	.040	.010	.086	.006	0.000	.001	.004	.228	0	0	0

16" X 4" X 0.375 HR X 40'

101.6 X 406.4 mm

ASTM A500-13 GRADE B & C

Ladle Analysis and Physicals

Customer Item #

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

Heat # = 447226-MIT

C	MN	P	S	AL	SI	CB	CU	CR	NI	V	MO	B	TI	N	CE	YLD psi	TSN psi	ELN %
.064	.772	.009	.004	.057	.006	.030	.009	.021	.007	.001	.003	0.000	.021	.004	.200	69590	76050	32

Order # 457021
Purchase Order # 600991
Item # 107949 5120

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Order # 457021
Purchase Order # 600991
Item # 107949 5120

Order # 457021
Purchase Order # 600991
Item # 107569 2571

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.