



BULL MOOSE TUBE ELKHART FACILITY  
CERTIFICATION OF TESTS

R5641100

02/07/06

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1819 Clarkson Rd.  
Chesterfield, Missouri 63017

BILL TO Grupo Collado, S.A. DEC. V.  
Avenida Gavilan #200  
Colonia Guadalupe Del Moral

SHIP TO Grupo Collado - via Rail  
c/o Shannon Forwarding  
13503 Regional Dr. - Unitek Ind. Prk.  
Laredo TX 78041

B/L Number 105633

Ship Via

SOU-114234

6" SQ X 0.375 HR X 40'										Order #	150966			
152.4 mm										Purchase Order #	243796			
ASTM A500-03 Grade B										Item #	10232			
Ticket # = 59140717										P				
Heat # =	20149									YLD psi	TSN psi	ELN %		
MN	P	S	AL	SI	CB	CU	CR	NI	VA					
.070	.710	.007	.010	.031	.011	.025	.020	.030	.010	.001	61620	71191	34	

6" SQ X 0.375 HR X 40'										Order #	150966			
152.4 mm										Purchase Order #	243796			
ASTM A500-03 Grade B										Item #	10232			
Ticket # = 59140725										P				
Heat # =	70136-INT									YLD psi	TSN psi	ELN %		
C	MN	P	S	AL	SI	CB	CU	CR	NI	VA				
.060	.730	.012	.008	.043	.012	.031	.020	.030	.010	.001	58620	70593	35	

8" SQ X 0.187 HR X 40'										Order #	150966			
203.2 mm										Purchase Order #	243796			
ASTM A500-03 Grade B										Item #	10029			
Ticket # = 59142581										P				
Heat # =	I2831									YLD psi	TSN psi	ELN %		
C	MN	P	S	AL	SI	CB	CU	CR	NI	VA				
.050	.670	.008	.009	.029	.020	.022	.016	.040	.060	.001	64410	73987	35	

8" SQ X 0.187 HR X 40'										Order #	150966			
203.2 mm										Purchase Order #	243796			
ASTM A500-03 Grade B										Item #	10029			
Ticket # = 59142589										P				
Heat # =	I2831									YLD psi	TSN psi	ELN %		
C	MN	P	S	AL	SI	CB	CU	CR	NI	VA				
.050	.670	.008	.009	.029	.020	.022	.016	.040	.060	.001	64410	73987	35	

										P				
Heat # =	I2832									YLD psi	TSN psi	ELN %		
C	MN	P	S	AL	SI	CB	CU	CR	NI	VA				
.050	.690	.007	.007	.032	.030	.022	.015	.040	.070	0.000	64710	74970	32	

**ORIGINAL**

Quality Manager:

*John McCarty*

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.

*M. Kosl*