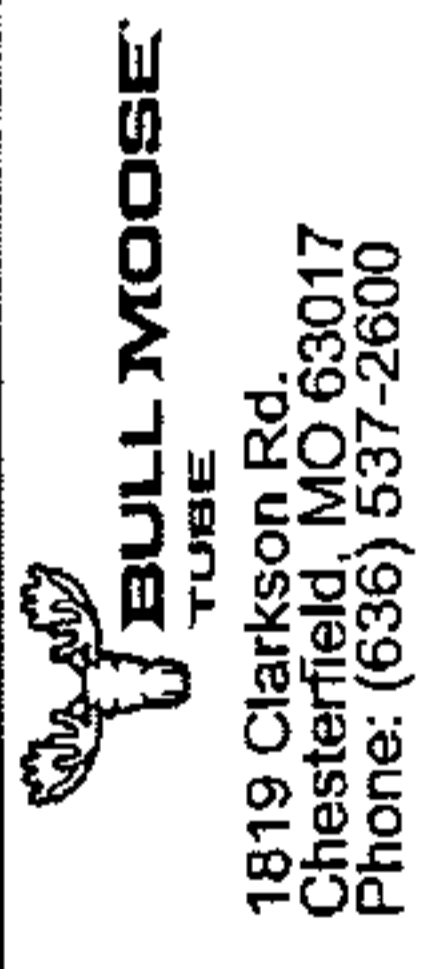


**CERTIFICATE OF ANALYSIS**



1819 Clarkson Rd.  
 Chesterfield, MO 63017  
 Phone: (636) 537-2600

Houston, TX 77029  
 UNITED STATES

Houston, TX 77029  
 UNITED STATES

Release Number: 583063  
 Ship Date: 2/27/2023

Page: 1 of 4

**Customer Information**

PO #	SSW133404, SSW133935	END USE PO #
CPO #		USE END USER PO #
PART #	See Line Items Below...	CUSTOMER PART #
REV LEVEL		SO # 825220, 826957

**Chemistry** Heat Number T24124 MELTED AND MANUFACTURED IN THE USA

C: 0.1	Mn: 0.62	P: 0.01	S: 0.007	Si: 0.021	Cu: 0.04	Al: 0.04	V: 0.097	Ni: 0.01	Nb/CB: 0.001
Cr: 0.04	Ti: 0	Mo: 0	B: 0.015	CE: 0.218	N: 0				

Tag No	Product	Gage	Width	Length	Weight Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200546893	Hot Rolled	0.6250	12.0000	360.0000	5.600	ELKHART	27680N625HR00AC30ST	A500 21 GRADE B & C	70108	52172	35
				12" SQ X 0.625 HR X 30'			Cust PO: SSW133935				

**Chemistry** Heat Number C0159 MELTED AND MANUFACTURED IN THE USA

C: 0.0400	Mn: 0.6600	P: 0.0150	S: 0.0090	Si: 0.0200	Cu: 0.1400	Al: 0.0310	V: 0.0060	Ni: 0.0500	Nb/CB: 0.0220
Cr: 0.0700	Ti: 0.0010	Mo: 0.0200	B: 0.0005	CE: 0.184	N: 0.0100	CA: 0.0030	Sn: 0.0300		

Tag No	Product	Gage	Width	Length	Weight Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200649928	Hot Rolled	0.2500	6.0000	480.0000	7.015	ELKHART	33850N250HR00DC400H	A500 21 B & C MELTED & MFG USA	66771	56032	33
				12" X 6" X 0.250 HR X 40'			Cust PO: SSW133935				

**CERTIFICATE OF ANALYSIS**

**BULL MOOSE**  
 TUBE  
 1819 Clarkson Rd.  
 Chesterfield, MO 63017  
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8415 Clinton Dr.  
 Houston, TX 77029  
 UNITED STATES

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MELTED AND MANUFACTURED IN THE USA										
Chemistry	Heat Number	B3560								
C: 0.0500	Mn: 0.6500	P: 0.0140	S: 0.0030	Si: 0.0200	Cu: 0.1400	Al: 0.0340	V: 0.0040	Ni: 0.0500	Nb/CB: 0.0220	
Cr: 0.0800	Ti: 0.0010	Mo: 0.0200	B: 0.0002	CE: 0.194	N: 0.0080	CA: 0.0027	Sn: 0.0300			

Tag No	Product	Gage	Width	Length	Weight	Coating	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200675305	Hot Rolled	0.1870	10.0000	600.0000	4.946	Tag As	ELKHART	26400N187HR00AB50ST	A500 21 GRADE B & C	69154	57132	33
				10" SQ X 0.187 HR X 50'				Cust PO: SSW133404				
200675312	Hot Rolled	0.1870	10.0000	624.0000	2.571	Tag As	ELKHART	26400N187HR00AB52ST	A500 21 GRADE B & C	69154	57132	33
				10" SQ X 0.187 HR X 52'				Cust PO: SSW133404				

MELTED AND MANUFACTURED IN THE USA										
Chemistry	Heat Number	B3559								
C: 0.0500	Mn: 0.6400	P: 0.0150	S: 0.0050	Si: 0.0100	Cu: 0.1400	Al: 0.0360	V: 0.0040	Ni: 0.0500	Nb/CB: 0.0220	
Cr: 0.0900	Ti: 0.0010	Mo: 0.0200	B: 0.0003	CE: 0.193	N: 0.0090	CA: 0.0026	Sn: 0.0300			

Tag No	Product	Gage	Width	Length	Weight	Coating	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200675463	Hot Rolled	0.1870	10.0000	624.0000	2.571	Tag As	ELKHART	26400N187HR00AB52ST	A500 21 GRADE B & C	67126	56364	37
				10" SQ X 0.187 HR X 52'				Cust PO: SSW133404				
200675446	Hot Rolled	0.1870	10.0000	624.0000	2.571	Tag As	ELKHART	26400N187HR00AB52ST	A500 21 GRADE B & C	67126	56364	37
				10" SQ X 0.187 HR X 52'				Cust PO: SSW133404				

MELTED AND MANUFACTURED IN THE USA										
Chemistry	Heat Number	4133642M22								
C: 0.0700	Mn: 0.5100	P: 0.0140	S: 0.0020	Si: 0.0200	Cu: 0.0100	Al: 0.0330	V: 0.0010	Ni: 0.0300	Nb/CB: 0.0260	
Cr: 0.0400	Ti: 0.0010	Mo: 0.0100	B: 0.0001	CE: 0.171	N: 0.0048	CA: 0.0030	Sn: 0.0010			

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Tag No	Product	Gage	Width	Length	Weight Tag As	Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200593976	Hot Rolled	0.3750	4.0000	576.0000	9.383		ELKHART	32567N375HR00AC48ST Cust PO: SSW133935	A500 21 GRADE B & C	65515	52228	33

**Chemistry** Heat Number 283996  
 MELTED AND MANUFACTURED IN THE USA

C: 0.0400	Mn: 0.5700	P: 0.0110	S: 0.0010	Si: 0.0200	Cu: 0.0900	Al: 0.0200	V: 0.0010	Ni: 0.0800	Nb/CB: 0.0210
Cr: 0.0700	Ti: 0.0010	Mo: 0.0100	B: 0.0000	CE: 0.166	N: 0.0080	CA: 0.0020	Sn: 0.0000		

Tag No	Product	Gage	Width	Length	Weight Tag As	Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200643958	Hot Rolled	0.2500	5.0000	480.0000	7.718		ELKHART	33210N250HR00AB40ST Cust PO: SSW133935	A500 21 GRADE B & C	68518	55608	31

**Chemistry** Heat Number 22086112  
 MELTED AND MANUFACTURED IN THE USA

C: 0.2100	Mn: 0.7300	P: 0.0110	S: 0.0040	Si: 0.0200	Cu: 0.0500	Al: 0.0240	V: 0.0030	Ni: 0.0300	Nb/CB: 0.0020
Cr: 0.0500	Ti: 0.0010	Mo: 0.0120	B: 0.0002	CE: 0.353	N: 0.0073	CA: 0.0026	Sn: 0.0028		


Tag No	Product	Gage	Width	Length	Weight Tag As	Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong
200624243	Hot Rolled	0.3120	8.0000	480.0000	5.776		ELKHART	35125N312HR00AB40ST Cust PO: SSW133935	A500 21 GRADE B & C	82844	58761	27

**Total Certificate Weight: 48,151 LBS 21,840.9 KGS**

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.

Date: 4/6/2023 To: SENTRY SUPPLY dba SO#: A758464 Ln#: 1 PO#: P0240592-08 Part: T1000502540\* Qty: 2 Heat#: 283996\*  
Tag: B15040523 Page: 4 of 4

**CERTIFICATE OF ANALYSIS**

 **BULL MOOSE**  
TUBE  
1819 Clarkson Rd.  
Chesterfield, MO 63017  
Phone: (636) 537-2600

Release Number: 583063  
Ship Date: 2/27/2023

F  
8415 Clinton Dr.  
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Page: 4 of 4



Mark Miller  
Corporate Quality Manager

