

# CERTIFICATE OF ANALYSIS

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

8415 Clinton Dr.  
 Houston, TX 77029  
 UNITED STATES

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Release Number: 583067  
 Ship Date: 2/27/2023

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MELTED AND MANUFACTURED IN THE USA												
Chemistry	Heat Number	233841										
C: 0.0528	Mn: 0.8500	P: 0.0050	S: 0.0020	Si: 0.0200	Cu: 0.0080	Al: 0.0400	V: 0.0010	Ni: 0.0050	Nb/CB: 0.0350			
Cr: 0.0200	Ti: 0.0010	Mo: 0.0010	B: 0.0001	CE: 0.203	N: 0.0046	CA: 0.0015						
Tag No	Gage	Width	Length	Weight Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong		
200656126	0.1870	2.0000	480.0000	5.652	TRENTON	31296N187HR00AB40ST	A500 21 GRADE B & C	76031	70842	29.75		
Hot Rolled 6" X 2" X 0.187 HR X 40'												

MELTED AND MANUFACTURED IN THE USA												
Chemistry	Heat Number	23012051										
C: 0.0210	Mn: 0.7500	P: 0.0090	S: 0.0020	Si: 0.0300	Cu: 0.1000	Al: 0.0270	V: 0.0030	Ni: 0.0500	Nb/CB: 0.0010			
Cr: 0.0400	Ti: 0.0000	Mo: 0.0130	B: 0.0001	CE: 0.172	N: 0.0078	CA: 0.0022	Sn: 0.0052					
Tag No	Gage	Width	Length	Weight Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong		
200668933	0.1870	3.0000	480.0000	5.136	TRENTON	31928N187HR00AB40ST	A500 21 GRADE B & C	78045	54312	30.4		
Hot Rolled 6" X 3" X 0.187 HR X 40'												

MELTED AND MANUFACTURED IN THE USA												
Chemistry	Heat Number	23011991										
C: 0.2100	Mn: 0.7700	P: 0.0100	S: 0.0020	Si: 0.0300	Cu: 0.1000	Al: 0.0280	V: 0.0030	Ni: 0.0500	Nb/CB: 0.0010			
Cr: 0.0400	Ti: 0.0000	Mo: 0.0140	B: 0.0001	CE: 0.364	N: 0.0078	CA: 0.0017	Sn: 0.0068					
Tag No	Gage	Width	Length	Weight Coating Tag As	Prod Plant	Part Number	Grade	Tensile	Yield	Elong		
200644665	0.2500	4.0000	480.0000	6.086	TRENTON	32565N250HR00AB40ST	A500 21 GRADE B & C	77404	55203	30.3		
Hot Rolled 8" X 4" X 0.250 HR X 40'												