



CMC STEEL ALABAMA  
 101 S 50TH STREET  
 BIRMINGHAM AL 35212-3525

**CERTIFIED MILL TEST REPORT**  
 For additional copies call  
 800-637-3227

We hereby certify that the test results presented here  
 are accurate and conform to the reported grade specification

Marcus W. McCluney - CMC Steel AL

Quality Assurance Manager

**1SERIES-BPS®**

HEAT NO.:1084482  
 SECTION: ANG 5 X 3 1/2x3/8 20'0" A36/52950  
 GRADE: ASTM A36-19/A529-14 Gr 50  
 ROLL DATE: 01/17/2023  
 MELT DATE: 01/10/2023  
 Cert. No.: 85290404 / 084482B280

Delivery#: 85290404  
 BOL#: 75164860  
 CUST PO#: 4500542986  
 CUST P/N: 505003161220  
 DLVRY LBS / HEAT: 5200.000 LB  
 DLVRY PCS / HEAT: 25 EA

Characteristic	Value	Characteristic	Value	Characteristic	Value
C	0.14%	Elongation Gage Lgth test 1	8IN		
Mn	0.66%	Yield to tensile ratio test1	0.73		
P	0.011%	Yield Strength test 2	53.7ksi		
S	0.021%	Tensile Strength test 2	74.4ksi		
Si	0.17%	Elongation test 2	26%		
Cu	0.36%	Elongation Gage Lgth test 2	8IN		
Cr	0.15%	Yield to tensile ratio test2	0.72		
Ni	0.18%				
Mo	0.043%				
V	0.004%				
Cb	0.009%				
Sn	0.011%				
B	0.0002%				
Ti	0.001%				
N	0.0098%				
Carbon Eq A6	0.33%				
Carbon Eq A529	0.36%				
Yield Strength test 1	54.2ksi				
Tensile Strength test 1	74.4ksi				
Elongation test 1	25%				

**The Following is true of the material represented by this MTR:**  
*\*Material is fully killed and is Hot Rolled Steel*  
*\*100% melted, rolled, and manufactured in the USA*  
*\*EN10204:2004 3.1 compliant*  
*\*Contains no weld repair*  
*\*Contains no Mercury contamination*  
*\*Manufactured in accordance with the latest version of the plant quality manual*  
*\*Meets the "Buy America" requirements of 23 CFR635.410, 49 CFR 661*  
*\*Warning: This product can expose you to chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)*

REMARKS : ALSO MEETS ASTM GRADE A36 REV 08, A572-50, A709-36, A709-50, A992, AASHTO GRADE M270-36, M270-50, CSA G40.21-04 GRADE 44W, 50W, ASME SA-36 2008A ADDEND A.