



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.:1088390 SECTION: ANG 5 X 3 1/2x5/16 20'0" A36/52950 GRADE: ASTM A36-19/A529-19 Gr 50 ROLL DATE: 10/05/2023 MELT DATE: 08/29/2023 Cert. No.: 85572273 / 088390B269	S O L D T O	MANHATTAN KS US 66502-6085 7855875182 7855872282	S H I P T O	US 75604-4817 9037591859	Delivery#: 85572273 BOL#: 75605465 CUST PO#: 4500559643 CUST P/N: 505003161020 DLVRY LBS / HEAT: 5220.000 LB DLVRY PCS / HEAT: 30 EA
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Characteristic	Value	Characteristic	Value	Characteristic	Value
C	0.14%	Elongation Gage Lgth test 1	8IN		
Mn	0.61%	Yield to tensile ratio test1	0.73		
P	0.012%	Yield Strength test 2	54.0ksi		
S	0.023%	Tensile Strength test 2	73.9ksi		
Si	0.17%	Elongation test 2	24%		
Cu	0.34%	Elongation Gage Lgth test 2	8IN		
Cr	0.15%	Yield to tensile ratio test2	0.73		
Ni	0.16%				
Mo	0.050%				
V	0.004%				
Cb	0.008%				
Sn	0.010%				
B	0.0002%				
Ti	0.001%				
N	0.0095%				
Carbon Eq A6	0.32%				
Carbon Eq A529	0.35%				
Yield Strength test 1	54.3ksi				
Tensile Strength test 1	74.1ksi				
Elongation test 1	24%				
				<p>The Following is true of the material represented by this MTR:</p> <p>*Material is fully killed and is Hot Rolled Steel</p> <p>*100% melted, rolled, and manufactured in the USA</p> <p>*EN10204:2004 3.1 compliant</p> <p>*Contains no weld repair</p> <p>*Contains no Mercury contamination</p> <p>*Manufactured in accordance with the latest version of the plant quality manual</p> <p>*Meets the "Buy America" requirements of 23 CFR635.410, 49 CFR 661</p> <p>*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</p>	

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.