



CMC STEEL SOUTH CAROLINA
310 New State Road
Cayce SC 29033-3704

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

Richard S. Ray

Richard S. Ray - CMC Steel SC

1SERIES-BPS®

Quality Assurance Manager

HEAT NO.:2075984	S		S	Delivery#: 82822391
SECTION: FLAT 3/4x4-1/2 20"0" A36/52950	O		H	BOL#: 73166371
GRADE: ASTM A36-14/A529-14 GR 50	L		I	CUST PO#: 7425520
ROLL DATE: 06/15/2019	D		P	CUST P/N: MB34412FLTMA360240
MELT DATE: 06/09/2019				DLVRY LBS / HEAT: 43380.000 LB
Cert. No.: 82822391 / 075984D915	T		T	DLVRY PCS / HEAT: 189 EA
	O		O	

Characteristic	Value	Characteristic	Value	Characteristic	Value
C	0.18%	Elongation Gage Lgth test 1	8IN	The Following is true of the material represented by this MTR: *Material is fully killed *100% melted and rolled 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	
Mn	0.70%	Yield to tensile ratio test1	0.72		
P	0.012%	Yield Strength test 2	55.5ksi		
S	0.027%	Tensile Strength test 2	76.7ksi		
Si	0.24%	Elongation test 2	27%		
Cu	0.34%	Elongation Gage Lgth test 2	8IN		
Cr	0.13%	Yield to tensile ratio test2	0.72		
Ni	0.12%	C+(Mn/6)	0.30%		
Mo	0.041%				
V	0.000%				
Cb	0.025%				
Sn	0.011%				
Al	0.000%				
Ti	0.001%				
N	0.0063%				
Carbon Eq A529	0.41%				
Yield Strength test 1	55.2ksi				
Tensile Strength test 1	76.6ksi				
Elongation test 1	30%				

REMARKS : ALSO MEETS ASTM GRADE A36 REV-03A, A529 GR.50, A572-2015 GR.50, A709 GR.36, A709 GR.50, A992, AASHTO GRADE M270 GR.36, M270 GR.50, CSA G40.2 1-04 GRADE 44W, 50WASME SA-36 2008A ADDEND A.