

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

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

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



Curtis G. Glenn.

Delivery#: 83532082
BOL#: 74268686
CUST PO#: KN-627583
CUST P/N:
DLVRY LBS / HEAT: 4377.000 LB
DLVRY PCS / HEAT: 147 EA

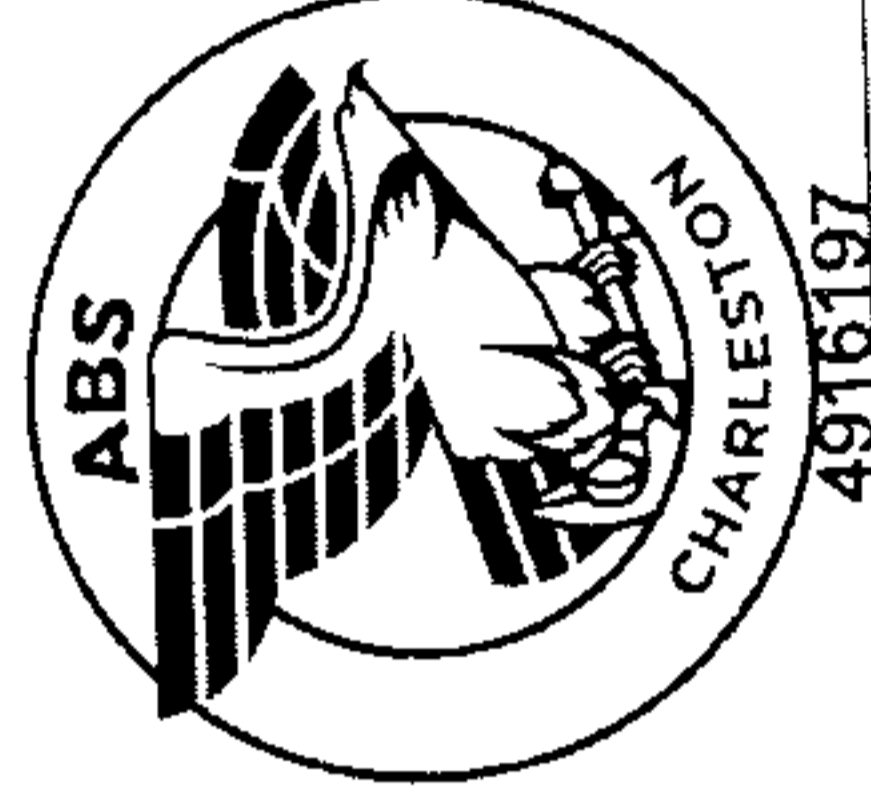
HEAT NO.: 2089760
SECTION: ANG 1 X 1x1/4 20'0" ABS/36/529
GRADE: ABS Gr. A 2021/A36-19/A529-50
ROLL DATE: 06/23/2021
MELT DATE: 06/18/2021
Cert. No.: 83532082 / 089760D035

Characteristic Value

Elongation Gage Lgth test 1 8IN
Yield to tensile ratio test1 0.72
Yield Strength test 2 51.2ksi
Tensile Strength test 2 71.3ksi
Elongation test 2 27%
Elongation Gage Lgth test 2 8IN
Yield to tensile ratio test2 0.72
C+(Mn/6) 0.24%

Characteristic Value

C 0.13%
Mn 0.65%
P 0.011%
S 0.013%
Si 0.20%
Cu 0.16%
Cr 0.19%
Ni 0.07%
Mo 0.024%
V 0.000%
Cb 0.009%
Sn 0.008%
Al 0.001%
B 0.0006%
Ti 0.001%
N 0.0099%
Carbon Eq A529 0.33%
Yield Strength test 1 50.7ksi
Tensile Strength test 1 70.7ksi
Elongation test 1 28%



G. Robinson

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

REMARKS : ALSO MEETS ASTM GRADE A36, A529-50, 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 AABS GR. A, MIL-S-22698C GR. A AM 1&2