



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



Curtis G. Glenn.
Quality Assurance Manager

HEAT NO.: 2092179
SECTION: ANG 1 X 1x1/8 20'0" ABS/36/529
GRADE: ABS Gr. A 2021/A36-19/A529-50
ROLL DATE: 11/22/2021
MELT DATE: 10/27/2021
Cert. No.: 83689045 / 092179D628

Delivery#: 83689045
BOL#: 74526402
CUST PO#: MO-146313
CUST P/N:
DLVRY LBS / HEAT: 9088.000 LB
DLVRY PCS / HEAT: 568 EA

Characteristic	Value
C	0.15%
Mn	0.64%
P	0.014%
S	0.028%
Si	0.23%
Cu	0.32%
Cr	0.20%
Ni	0.10%
Mo	0.033%
V	0.000%
Cb	0.010%
Sn	0.010%
Al	0.002%
B	0.0001%
Ti	0.001%
N	0.0108%
Carbon Eq A529	0.37%
Yield Strength test 1	58.2ksi
Tensile Strength test 1	76.0ksi
Elongation test 1	25%

Characteristic	Value
Elongation Gage Lgth test 1	8IN
Yield to tensile ratio test1	0.77
Yield Strength test 2	57.4ksi
Tensile Strength test 2	75.8ksi
Elongation test 2	22%
Elongation Gage Lgth test 2	8IN
Yield to tensile ratio test2	0.76
C+(Mn/6)	0.26%

JM Caporuscio
5088337
JESSICA CAPORUSCIO

WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE TO THE APPLICABLE SPECIFICATION BY THE HOT ROLLING PROCESS AND TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF 2021 ABS PART 2 CHAPTER 1 WITH SATISFACTORY RESULTS

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

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

CSA G40.21-04 GRADE 44W, 50W, ASME SA-36