

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 ALABAMA
101 S 50TH STREET
BIRMINGHAM AL 35212-3525



1 SERIES-BPS

HEAT NO.: 1084933
SECTION: ANG 6 X 3 1/2x5/16 40'0"
ABS/36/529
GRADE: ABS Gr. A 2023/A36-19/A529-50
ROLL DATE: 02/08/2023
MELT DATE: 02/03/2023
Cert. No.: 85313024 / 084933B443

Marcus W. McCluney
U.M.
Marcus W. McCluney - CMC Steel AL
Quality Assurance Manager

Delivery#: 85313024
BOL#: 75197460
CUST PO#: KN-622616
CUST P/N:
DLVRY LBS / HEAT: 31752.000 LB
DLVRY PCS / HEAT: 81 EA

5044317010

2514325050

Characteristic Value

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Elongation test 1 25%
Elongation Gage Lgth test 1 8IN
Yield to tensile ratio test1 0.75
Yield Strength test 2 57.0ksi
Tensile Strength test 2 76.2ksi
Elongation test 2 25%
Elongation Gage Lgth test 2 8IN
Yield to tensile ratio test2 0.75

C 0.14%
Mn 0.68%
P 0.012%
S 0.027%
Si 0.17%
Cu 0.38%
Cr 0.14%
Ni 0.15%
Mo 0.045%
V 0.003%
Cb 0.012%
Sn 0.012%
B 0.0002%
Ti 0.001%
N 0.0089%
Carbon Eq A6 0.32%
Carbon Eq A529 0.35%

Yield Strength test 1 56.6ksi
Tensile Strength test 1 75.5ksi



Surveyor Name JOAO RENATO DA SILVA
Employee ID 20975
Workorder No. 5682797
Document Status Reviewed

CHICAGO PORT

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

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 2023 ABS PART 2 CHAPTER 1 WITH SATISFACTORY RESULTS

EMARKS : ALSO MEETS ASTM A529-50,A572-50,A709-36,A709-50,A992,AASHTO M270-36,M270-50, SA G40.21-04 44W,50W, ASME SA-36 2008A ADDEND A, MIL-S-22698C GR. A AM 1&2