

CERTIFIED MATERIAL TEST REPORT



CA-ML-CAMBRIDGE
160 ORION PLACE
CAMBRIDGE, ON N1T 1R9
Canada

| | | |
|-----------------------------|-----------------------------------|------------------|
| DOCUMENT ID: 0000155865 | SHAPE / SIZE Square Bar / 7/8" | GRADE GGMULTI |
| HEAT / BATCH 52098157/05 | WEIGHT 4.217 LB | LENGTH 20'00" |

| | |
|---|-----------------------------------|
| SPECIFICATION / DATE OF REVISION ASME SA36, ASTM A529-14 ASTM A6-19, A36-19, A572-21 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13 | CUSTOMER MATERIAL N° |
| SALES ORDER 11140007/000070 | DATE 10/04/2021 |
| CUSTOMER PURCHASE ORDER NUMBER SSW122901 | BILL OF LADING 1301-0000053130 |

| CHEMICAL COMPOSITION | | P (%) | S (%) | Si (%) | Cu (%) | Ni (%) | Cr (%) | Mo(%) | V (%) | Nb (%) | CEqvA6 (%) | Sn (%) |
|----------------------|------|-------|-------|--------|--------|--------|--------|-------|-------|--------|------------|--------|
| C (%) | 0.15 | 0.84 | 0.011 | 0.021 | 0.16 | 0.23 | 0.10 | 0.018 | 0.027 | 0.004 | 0.34 | 0.009 |

| MECHANICAL PROPERTIES | | G/L (Inches) | UTS (MPa) | UTS (PSI) | YS (MPa) | YS (PSI) |
|-----------------------|-------|--------------|-----------|-----------|----------|----------|
| Elong. (%) | 22.00 | 8.000 | 74987 | 517 | 389 | 56355 |
| | 21.50 | 8.000 | 74872 | 516 | 397 | 57598 |

COMMENTS / NOTES

This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50
ASME Grades: SA36

This grade meets the requirements for the following grades:
ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
CSA Grades: 44W; 50W
AASHTO Grades: M270-36; M270-50

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdau possession. This material, including the billets, was produced (Electric Arc Furnace melted, Continuously cast, and/or Hot rolled) in Canada. CMTR complies with EN 10204 3.1.

Shaskar
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QUALITY DIRECTOR

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