

CERTIFIED MATERIAL TEST REPORT

| | | | |
|---|--|---------------------------------|--|
| DOCUMENT ID: 0000572161 | | SHAPE / SIZE Angle / 5X5X3/4 | |
| GRADE GGMULTI | | WEIGHT 8.496 LB | |
| LENGTH 40'00" | | HEAT / BATCH 55083008/02 | |
| SPECIFICATION / DATE or REVISION ASTM A529-14, A572-15 ASTM A617, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13 | | | |
| SALES ORDER 12567868/000040 | | CUSTOMER MATERIAL N° | |
| BILL OF LADING 1323-0000226958 | | DATE 01/19/2023 | |

GO GERDAU
 US-ML-CARTERSVILLE
 384 OLD GRASSDALE ROAD NE
 CARTERSVILLE, GA 30121
 USA

CUSTOMER PURCHASE ORDER NUMBER
 SSW132899

| C (%) | Mn (%) | P (%) | S (%) | Si (%) | Cu (%) | Ni (%) | Cr (%) | Mo (%) | V (%) | Nb (%) | N (%) | CEqvA6 (%) | Sn (%) |
|-------|--------|-------|-------|--------|--------|--------|--------|--------|-------|--------|--------|------------|--------|
| 0.08 | 0.95 | 0.017 | 0.012 | 0.19 | 0.35 | 0.14 | 0.13 | 0.042 | 0.001 | 0.027 | 0.0089 | 0.31 | 0.013 |

| G/L (Inches) | UTS (PSI) | YS (MPa) | YS 0.2% (PSI) |
|--------------|-----------|----------|---------------|
| 8.000 | 75000 | 380 | 55100 |
| 8.000 | 74900 | 381 | 55300 |

MECHANICAL PROPERTIES
 Elong. (%)
 25.00
 25.50

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

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 Gerdaу possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

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CERTIFIED MATERIAL TEST REPORT

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|-----------------------------------|--|--|--|
| DOCUMENT ID: 0000572162 | | SHAPE / SIZE Angle / 5X3X3/4 | |
| GRADE GGMULTI | | WEIGHT 8,496 LB | |
| LENGTH 40'00" | | HEAT / BATCH 55083008/02 | |
| SALES ORDER 12589651/000010 | | SPECIFICATION / DATE or REVISION ASTM A529-14, A572-15 ASTM A617/A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13 | |
| CUSTOMER MATERIAL N° | | DATE 01/19/2023 | |
| BILL OF LADING 1323-0000226958 | | | |



US-ML-CARTERSVILLE
 384 OLD GRASSDALE ROAD NE
 CARTERSVILLE, GA 30121
 USA

CUSTOMER PURCHASE ORDER NUMBER
 SSW132989

| CHEMICAL COMPOSITION | | C (%) | Mn (%) | P (%) | S (%) | Si (%) | Cu (%) | Ni (%) | Cr (%) | Mo(%) | V (%) | Nb (%) | N (%) | CEqvA6 (%) | Sn (%) |
|----------------------|------|-------|--------|-------|-------|--------|--------|--------|--------|-------|--------|--------|-------|------------|--------|
| 0.08 | 0.95 | 0.017 | 0.012 | 0.19 | 0.35 | 0.14 | 0.13 | 0.042 | 0.001 | 0.027 | 0.0089 | 0.31 | 0.013 | | |

| MECHANICAL PROPERTIES | | G/L (Inches) | UTS (PSI) | YS (MPa) | YS 0.2% (PSI) |
|-----------------------|-------|--------------|-----------|----------|---------------|
| Elong. (%) | 25.00 | 8.000 | 75000 | 517 | 55100 |
| | 25.50 | 8.000 | 74900 | 516 | 55300 |

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

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