



CERTIFIED MATERIAL TEST REPORT

US-ML-CHARLOTTE
6601 LAKEVIEW ROAD
CHARLOTTE, NC 28269
USA

Table with customer information: CUSTOMER SHIP TO, CUSTOMER BILL TO, GRADE (GGMULTI), SHAPE / SIZE (Flat Bar / 3/8 X 1 1/4), DOCUMENT ID (0000160005), LENGTH (20'00"), WEIGHT (4,782 LB), HEAT / BATCH (54195719/02), SALES ORDER (12848584/000010), CUSTOMER MATERIAL N° (00000000101210820), SPECIFICATION / DATE or REVISION (ASME SA36, ASTM A529-14, etc.), CUSTOMER PURCHASE ORDER NUMBER (4500548908), BILL OF LADING (1321-0000110667), DATE (04/21/2023).

CHEMICAL COMPOSITION table with columns: C (%), Mn (%), P (%), S (%), Si (%), Cu (%), Ni (%), Cr (%), Mo(%), V (%), Nb (%). Values: C (0.12), Mn (0.62), P (0.008), S (0.035), Si (0.17), Cu (0.43), Ni (0.15), Cr (0.14), Mo (0.030), V (0.002), Nb (0.008).

MECHANICAL PROPERTIES table with columns: Elong. (%), G/L (Inches), UTS (PSI), UTS (MPa), YS (PSI), YS (MPa). Values: Elong (25.00, 25.00), G/L (8.000, 8.000), UTS (71347, 71813), UTS (492, 495), YS (54227, 54227), YS (374, 374).

GEOMETRIC CHARACTERISTICS table with R:R value of 53.00.

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 Gerdau 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.

Bhaskar Yalamanchili signature and name, QUALITY DIRECTOR

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