

CERTIFIED MATERIAL TEST REPORT



US-ML-WILTON
1500-2500 WEST 3RD STREET
WILTON, IA 52778
USA

CUSTOMER SHIP TO LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE GGMULTI	SHAPE / SIZE Flat Bar / 5/16 X 2	DOCUMENT ID: 0000179621
SALES ORDER 14370418/000010		CUSTOMER MATERIAL N° 00000000101020020		LENGTH 20'00"	WEIGHT 7.533 LB	HEAT / BATCH 64076900/04
CUSTOMER PURCHASE ORDER NUMBER 4500582256			BILL OF LADING 1334-0000102246	DATE 10/07/2024		
SPECIFICATION / DATE or REVISION ASTM A529-19, A572-21E1 ASTM A6-24A, A36-19, ASME SA36 ASTM A709-21, AASHTO M270-20 CSA G40.20-13/G40.21-13 (R23)						

CHEMICAL COMPOSITION											
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Sn (%)
0.16	0.68	0.013	0.020	0.22	0.23	0.12	0.24	0.031	0.018	0.008	0.009

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
23.75	8.000	78230	539	61117	421	
26.25	8.000	77908	537	60411	417	

GEOMETRIC CHARACTERISTICS	
R.R	
49.19	

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

Gerdaul's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

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 Gerdaul 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
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR
 Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Daniel Wells
 DANIEL K WELLS
 QUALITY ASSURANCE MGR.
 Phone: (563) 279-1238 Email: Daniel.wells1@gerdau.com