



CERTIFIED MATERIAL TEST REPORT

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

SALES ORDER 14310387/000010		CUSTOMER MATERIAL N° 000000000101210820	GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/8 X 1 1/4	DOCUMENT ID: 0000188837
CUSTOMER PURCHASE ORDER NUMBER 4500581029		BILL OF LADING 1321-0000124807	LENGTH 20'00"	WEIGHT 4,782 LB	HEAT / BATCH 54204915/02
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)			DATE 08/29/2024		

CHEMICAL COMPOSITION											
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	
0.14	0.64	0.012	0.031	0.21	0.43	0.14	0.12	0.050	0.001	0.007	

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
25.00	8.000	75124	518	55591	383	
25.00	8.000	77688	536	56452	389	

GEOMETRIC CHARACTERISTICS	
R:R	
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

Gerdau's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit [www2.gerdau.com/metals-recycling](http://www2.gerdau.com/metals-recycling), or contact [metalsrecycling@gerdau.com](mailto: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 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.

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