

**CERTIFIED MATERIAL TEST REPORT**

DOCUMENT ID: 0000159953	SHAPE / SIZE Flat Bar / 1/4 X 1 3/4	GRADE GGMULTI	HEAT / BATCH 54195708/05
LENGTH 20'00"	WEIGHT 4.791 LB.	SPECIFICATION / DATE OF REVISION ASTM A579-14, A572-15 ASTM A6-17, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13	

CUSTOMER MATERIAL N°	DATE 04/20/2023
SALES ORDER 12842757/000040	BILL OF LADING 1321-0000110650



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

CUSTOMER PURCHASE ORDER NUMBER  
 SSW134924

**CHEMICAL COMPOSITION**

C (%)	0.15	P (%)	0.009	S (%)	0.038	Si (%)	0.19	Cu (%)	0.38	Ni (%)	0.15	Cr (%)	0.15	Mo (%)	0.040	V (%)	0.004	Nb (%)	0.007	Sn (%)	0.008
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**MECHANICAL PROPERTIES**

Elong. (%)	22.50	G/L (Inches)	8.000	YS (PSI)	55177	UTS (MPa)	500	YS (MPa)	380
	25.00		8.000		55756		499		384

**GEOMETRIC CHARACTERISTICS**  
 R.R  
 57.00

**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  
 AASHTU 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.

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