



**CERTIFIED MATERIAL TEST REPORT**

US-ML-JACKSON TN  
 801 GERDAU AMERISTEEL ROAD  
 JACKSON, TN 38305  
 USA

		GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/8 X 3 1/2	DOCUMENT ID: 0000397862
		LENGTH 20'00"	WEIGHT 4,817 LB	HEAT / BATCH 63212516/04
SALES ORDER 10958751/000030		CUSTOMER MATERIAL N° 00000000101231620		SPECIFICATION / DATE or REVISION ASTM A529-14, A572-15 ASTM A6-17,A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13
CUSTOMER PURCHASE ORDER NUMBER G450035966	BILL OF LADING 1333-0000177498	DATE 08/30/2021		

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Al (%)	CEqvA529 (%)	Sn (%)
0.13	0.69	0.013	0.025	0.23	0.27	0.09	0.11	0.030	0.003	0.006	0.000	0.34	0.009

MECHANICAL PROPERTIES							
Elong. (%)	G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
28.00	8.000	200.0	74517	514	56146	387	
27.00	8.000	200.0	74147	511	57367	396	

GEOMETRIC CHARACTERISTICS	
R:R	
20.85	

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

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

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. This material, including the billets, was produced (Electric Arc Furnace melted, Continuously cast, and/or Hot rolled) in the USA. CMTR complies with EN 10204 3.1.

*Bhaskar* BHASKAR YALAMANCHILI  
 QUALITY DIRECTOR

*Ben Lovell* BEN LOVELL  
 QUALITY ASSURANCE MGR.