

**CERTIFIED MATERIAL TEST REPORT**



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

STEEL AND PIPE SIZE 4 USA		GRADE GGMULTI	SHAPE / SIZE Angle / 5X3 1/2X3/8	DOCUMENT ID: 0000531310
SALES ORDER 12845386/000020		CUSTOMER MATERIAL N° 000000505003161220	LENGTH 20'00"	WEIGHT 4,576 LB
BILL OF LADING 1333-0000213024		DATE 04/06/2023	SPECIFICATION / DATE of 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 G450040587				

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Al (%)	CEq <sup>A529</sup> (%)	Sn (%)
0.11	0.69	0.014	0.035	0.16	0.32	0.12	0.16	0.030	0.002	0.006	0.000	0.32	0.011

MECHANICAL PROPERTIES		G/L (Inches)		G/L (mm)		UTS (PSI)		UTS (MPa)		YS (PSI)		YS (MPa)	
Elong. (%)													
31.00		8.000		200.0		70556		487		54813		378	
31.00		8.000		200.0		70954		489		55198		381	

GEOMETRIC CHARACTERISTICS	
R/R	
	11.37

**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 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.

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