

**CERTIFIED MATERIAL TEST REPORT**



CA-ML-CAMBRIDGE  
160 ORION PLACE  
CAMBRIDGE, ON N1T 1R9  
Canada

CUSTOMER SHIP TO INC LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE GGMULTI	SHAPE / SIZE Angle 3.4X3.4X1.8	DOCUMENT ID 0000225293
SALES ORDER 13351834-000010		CUSTOMER MATERIAL N° 0000000050242420		LENGTH 20'00"	WEIGHT 5.015 LB	HEAT / BATCH 52110324/05
CUSTOMER PURCHASE ORDER NUMBER EG00007431		BILL OF LADING 1301-0000066135	DATE 11/13/2023	SPECIFICATION / DATE or REVISION ASME SA36, ASTM A529-14 ASTM A6-19, A36-19, A572-21 ASTM A709-18, AASHTO M270-18 CSA G40.20-13 G40.21-13		

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	CEqvA6 (%)	Sn (%)
C (%)	Mn (%)											
0.14	0.72	0.007	0.022	0.19	0.26	0.10	0.10	0.031	0.014	0.002	0.31	0.012

MECHANICAL PROPERTIES		G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
Elong. (%)						
28.50		8.000	72428	499	52471	362
26.00		8.000	72801	502	53430	368

**COMMENTS / NOTES**

This grade meets the requirements for the following grades:  
 ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50  
 CSA Grades: 4W; 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](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 Gerdaul possession. For all products other than billets, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, and Hot Rolled) in Canada. For billets, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in Canada. CMTR complies with EN 10204 3.1.

*Bhaskar*  
 BHASKAR YALAMANCHILI  
 QUALITY DIRECTOR  
 Phone: (409) 267-1071 Email: [Bhaskar.Yalamanchili@gerdau.com](mailto:Bhaskar.Yalamanchili@gerdau.com)

*Leonardo Nunes*  
 LEONARDO NUNES  
 QUALITY ASSURANCE MGR.  
 Phone: (905) 668-8811 EXT 4055 Email: [Leonardo.Nunes@gerdau.com](mailto:Leonardo.Nunes@gerdau.com)