

**CERTIFIED MATERIAL TEST REPORT**



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

<b>CUSTOMER SHIP TO</b> STEEL AND PIPE SUPPLY CO INC 4750 W MARSHALL AVE LONGVIEW, TX 75604-4817 USA		<b>CUSTOMER BILL TO</b> STEEL AND PIPE SUPPLY CO INC MANHATTAN, KS 66505-1688 USA		<b>GRADE</b> GGMULTI	<b>SHAPE / SIZE</b> Angle / 3/4X3/4X1/8	<b>DOCUMENT ID:</b> 0000210412
<b>SALES ORDER</b> 12947336/000010		<b>CUSTOMER MATERIAL N°</b> 000000000502424420		<b>LENGTH</b> 20'00"	<b>WEIGHT</b> 3,776 LB	<b>HEAT / BATCH</b> 52109545/09
<b>CUSTOMER PURCHASE ORDER NUMBER</b> EG00001130			<b>BILL OF LADING</b> 1301-0000063422	<b>DATE</b> 05/23/2023	<b>SPECIFICATION / DATE or REVISION</b> ASME SA36, ASTM A529-14 ASTM A6-19, A36-19, A572-21 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13	

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	CEqvA6 (%)	Sn (%)
0.11	0.70	0.011	0.018	0.18	0.26	0.09	0.14	0.026	0.010	0.004	0.29	0.014

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
27.00	8.000	68200	470	51734	357	
28.50	8.000	69323	478	51034	352	

**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

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: (+09) 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)