



CERTIFIED MATERIAL TEST REPORT

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

CUSTOMER SHIP TO NC 9730 W. MARSHALL CYLE 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 M270-15 CSA G40.20-13/G40.21-13	

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	CEqvA6 (%)	Sn (%)
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						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
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: 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, or contact metalrecycling@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

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