



CERTIFIED MATERIAL TEST REPORT

CA-ML-WHITBY  
1 GERDAU CT  
WHITBY, ON L1N 5T1  
Canada

		GRADE GGMULTI	SHAPE / SIZE Angle / 6X3 1/2X1/2	DOCUMENT ID: 0000321416
		LENGTH 20'00"	WEIGHT 6,426 LB	HEAT / BATCH 52108153/05
SALES ORDER 12852480/000010		CUSTOMER MATERIAL N° 00000506003161620		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 4500549013	BILL OF LADING 1302-0000159758	DATE 04/10/2023		

CHEMICAL COMPOSITION									
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	V(%)	Nb (%)
0.13	1.03	0.019	0.018	0.21	0.23	0.08	0.19	0.005	0.020

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS 0.2% (PSI)	YS (MPa)	
21.90	8.000	73800	509	59100	407	
22.50	8.000	73700	508	56700	391	


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 Gerdau 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.

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