



CERTIFIED MATERIAL TEST REPORT

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

GRADE GGMULTI	SHAPE / SIZE Flat Bar / 1/4 X 1 1/4	DOCUMENT ID: 0000128796
LENGTH 20'00"	WEIGHT 5,088 LB	HEAT / BATCH 52096212/03
SPECIFICATION / DATE or REVISION ASME SA36 ASTM A6-14, A36-14 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13		

CUSTOMER PURCHASE ORDER NUMBER 4500357003	BILL OF LADING 1301-0000047914	DATE 11/26/2020
--	-----------------------------------	--------------------

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	CEqvA6 (%)	Sn (%)
0.15	0.76	0.017	0.030	0.18	0.24	0.11	0.14	0.022	0.021	0.010	0.34	0.013

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
20.00	8.000	73258	505	52306	361	
21.00	8.000	75209	519	53033	366	

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 Gerdaу possession. This material, including the billets, was produced (Electric Arc Furnace melted, Continuously cast, and/or Hot rolled) in Canada. CMTR complies with EN 10204 3.1.

 BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

 LEONARDO NUNES
QUALITY ASSURANCE MGR.

Phone: (905) 668-8811 EXT 4055 Email: Leonardo.Nunes@gerdau.com