

CERTIFIED MATERIAL TEST REPORT



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

C S 8 HO USA		L P		GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/16 X 1 1/4	DOCUMENT I 0000204089
SALES ORDER 12567868/000060		CUSTOMER MATERIAL N°		LENGTH 20'00"	WEIGHT 4,967 LB	HEAT / BATCH 52108332/04
BILL OF LADING 1301-0000062335		DATE 03/09/2023		SPECIFICATION / DATE OF REVISION ASME SA36 ASTM A6-14, A36-14 ASTM A709-18, AASHTO M270-12 CSA G40.20-13/G40.21-13		

CUSTOMER PURCHASE ORDER NUMBER
SSW132899

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	V (%)	Nb (%)	
C (%)	0.17	0.73	0.020	0.046	0.21	0.33	0.10	0.17	0.020	0.004

MECHANICAL PROPERTIES		G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
Elong. (%)	20.00	8.000	75827	523	55045	380
	23.00	8.000	75782	523	56518	390

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.

Shaskay
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR

Leonardo Nunes
 LEONARDO NUNES
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