



CERTIFIED MATERIAL TEST REPORT

US-ML-CARTERSVILLE
 384 OLD GRASSDALE ROAD NE
 CARTERSVILLE, GA 30121
 USA

		GRADE GGMULTI	SHAPE / SIZE Misc Channel / 10 X 8.4#	DOCUMENT ID: 0000581703
		LENGTH 20'00"	WEIGHT 4,704 LB	HEAT / BATCH 55083705/02
SALES ORDER 12660272/000050		CUSTOMER MATERIAL N° 00000000261084020		SPECIFICATION / DATE or REVISION ASTM A529-19, A572-21 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 4500545203	BILL OF LADING 1323-0000229463	DATE 02/21/2023		

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	N (%)	CEqvA6 (%)	Sn (%)
0.11	0.82	0.014	0.027	0.18	0.29	0.13	0.14	0.039	0.001	0.006	0.0086	0.31	0.012

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS 0.2% (PSI)	YS (MPa)	
25.90	8.000	73000	503	54400	375	
27.10	8.000	72700	501	54100	373	


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 or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

 **BHASKAR YALAMANCHILI**
 QUALITY DIRECTOR

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

 **YAN WANG**
 QUALITY ASSURANCE MGR.

Phone: (770) 387 5718 Email: yan.wang@gerdau.com