



CERTIFIED MATERIAL TEST REPORT

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

USA		MANHATTAN,KS 66505-1688 USA	GRADE GGMULTI	SHAPE / SIZE Channel / 8 X 11.5#	DOCUMENT ID: 0000598644
SALES ORDER 12855734/000020		CUSTOMER MATERIAL N° 000000000258115020	LENGTH 20'00"	WEIGHT 23,000 LB	HEAT / BATCH 55085267/02
CUSTOMER PURCHASE ORDER NUMBER 4500549131		BILL OF LADING 1323-0000234465	DATE 04/19/2023	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	

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	N (%)	Pb (%)	Sn (%)
0.11	0.88	0.014	0.028	0.22	0.29	0.11	0.14	0.032	0.001	0.009	0.0107	0.0030	0.011

MECHANICAL PROPERTIES					
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS 0.2% (PSI)	YS (MPa)
25.90	8.000	72200	498	53100	366
26.60	8.000	75500	521	55300	381

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.

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