



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

CERTIFIED MATERIAL TEST REPORT

4750 W MAKSHALL AVE LONGVIEW, TX 75604-4817 USA	MANHATTAN, KS 66505-1688 USA	GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/4 X 12	DOCUMENT ID: 0000593437
SALES ORDER 12821903/000010	CUSTOMER MATERIAL N° 000000001024120020	LENGTH 20'00"	WEIGHT 25,722 LB	HEAT / BATCH 55084977/02
CUSTOMER PURCHASE ORDER NUMBER G450040484	BILL OF LADING 1323-0000232893	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		
	DATE 03/31/2023			

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CE _{qv} A6 (%)
C (%)	0.11	0.023	0.024	0.20	0.31	0.13	0.24	0.046	0.011	0.002	0.019	0.34

MECHANICAL PROPERTIES		YS (MPa)	UTS (MPa)	G/L (Inches)	Elong. (%)
YS 0.2% (PSI)	52600	363	527	8.000	27.50
	52400	361	529	8.000	26.60

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 Gerdaus 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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