

CERTIFIED MATERIAL TEST REPORT

GERDAU		US-ML-WILTON 1500-2500 WEST 3RD STREET WILTON, IA 52778 USA	
SALES ORDER 12557762/000040		CUSTOMER PURCHASE ORDER NUMBER SSW132784	
BILL OF LADING 1334-0000088322		DATE 02/02/2023	
CUSTOMER MATERIAL N°		SPECIFICATION / DATE OF REVISION	
GRADE GGMULTI		ASTM A529-19, A572-21	
SHAPE / SIZE Flat Bar / 5/8 X 2 1/2		ASTM A6-17, A36-14, ASME SA-36	
LENGTH 20'00"		ASTM A709-18, AASHTO M270-15	
WEIGHT 5,739 LB		CSA G40.20-13/G40.21-13	
HEAT / BATCH 63222451/07			

CHEMICAL COMPOSITION		C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Sn (%)
0.15	0.61	0.021	0.023	0.18	0.37	0.18	0.18	0.24	0.020	0.016	0.007	0.013	

MECHANICAL PROPERTIES		Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
22.50	8.000	77391	534	57257	395	391	
22.50	8.000	78423	541	56678			

GEOMETRIC CHARACTERISTICS		R/R	19.70
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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