



CERTIFIED MATERIAL TEST REPORT

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

CUSTOMER SHIP TO STEEL AND PIPE SUPPLY CO INC 4750 W MARSHALL AVE LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO STEEL AND PIPE SUPPLY CO INC MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 10 X 45# / 250 X 67	DOCUMENT ID: 0000576529	
SALES ORDER 12622490/000010		CUSTOMER MATERIAL N° 000000003710450020		LENGTH 20'00"	PCS 12	WEIGHT 10,800 LB	HEAT / BATCH 55083301/15
CUSTOMER PURCHASE ORDER NUMBER 4500544435		BILL OF LADING 1323-0000228097		DATE 02/03/2023			
SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W							

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)	
0.08	0.95	0.015	0.028	0.25	0.33	0.13	0.13	0.042	0.011	0.002	0.027	0.31	


MECHANICAL PROPERTIES							
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	Elong. (%)	
57600	74600	397	514	0.770	8.000	23.90	
56200	76000	388	524	0.740	8.000	25.80	

COMMENTS / NOTES

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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