



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

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO 4720 W MARSHALL ST LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 4 X 13# / 100 X 19.3	DOCUMENT ID: 0000659145
SALES ORDER 13550952/000010		CUSTOMER MATERIAL N° 00000000374130020		LENGTH 20'00"	PCS 126	WEIGHT 32,760 LB
CUSTOMER PURCHASE ORDER NUMBER G450042762		BILL OF LADING 1323-0000252535		DATE 11/27/2023		
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 (%)
0.13	0.90	0.025	0.016	0.21	0.33	0.15	0.28	0.043	0.012	0.002	0.009

MECHANICAL PROPERTIES						
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	Elong. (%)
56200	76100	388	525	0.740	8.000	22.60
56100	75500	387	521	0.740	8.000	24.80

COMMENTS / NOTES

Gerdaul's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

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 Gerdaul 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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