

**CERTIFIED MATERIAL TEST REPORT**



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

CUSTOMER SHIP TO		CUSTOMER BILL TO		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 14 X 30# / 360 X 44	DOCUMENT ID: 0000646736
CO INC		USA		LENGTH 60'00"	PCS 5	WEIGHT 9,000 LB
SALES ORDER 13377992/000020		CUSTOMER MATERIAL N° 000000003714300060		SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W		
CUSTOMER PURCHASE ORDER NUMBER 4500559428	BILL OF LADING 1323-0000248715	DATE 10/12/2023				

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.08	1.04	0.015	0.025	0.28	0.32	0.14	0.13	0.039	0.011	0.046	0.001	0.33

  

MECHANICAL PROPERTIES						
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	Elong. (%)
58700	75100	405	518	0.780	8.000	25.10
58300	74000	402	510	0.790	8.000	24.10

COMMENTS / NOTES

Gerdau's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit [www2.gerdau.com/metals-recycling](http://www2.gerdau.com/metals-recycling), or contact [metalsrecycling@gerdau.com](mailto: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 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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