

**CERTIFIED MATERIAL TEST REPORT**



US-ML-MIDLOTHIAN  
300 WARD ROAD  
MIDLOTHIAN, TX 76065  
USA

CUSTOMER SHIP TO		CUSTOMER BILL TO		GRADE	SHAPE / SIZE	DOCUMENT ID:
- NC		INC		A992/A572-50	Wide Flange Beam / 8 X 31# / 200 X 46.1	0001024497
L		588		LENGTH	PCS	WEIGHT
U...				40'00"	6	7,440 LB
SALES ORDER		CUSTOMER MATERIAL N°		SPECIFICATION / DATE or REVISION		
13525937/000010		00000000378310040		ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W		
CUSTOMER PURCHASE ORDER NUMBER		BILL OF LADING	DATE			
G450042679		1327-0000554870	11/12/2023			

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.07	0.88	0.013	0.036	0.20	0.24	0.12	0.19	0.028	0.009	0.002	0.019	0.29

MECHANICAL PROPERTIES										Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)	YS (MPa)	UTS (PSI)	UTS (MPa)										
52408	361	65896	454							0.800	8.000	200.0	23.60
53785	371	67020	462							0.800	8.000	200.0	24.20

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.

*Bhaskar*  
BHASKAR YALAMANCHILI  
QUALITY DIRECTOR  
Phone: (409) 267-1071 Email: [Bhaskar.Yalamanchili@gerdau.com](mailto:Bhaskar.Yalamanchili@gerdau.com)

*Wade A. Lumpkins*  
WADE LUMPKINS  
QUALITY ASSURANCE MGR.  
Phone: 972-779-3118 Email: [Wade.Lumpkins@gerdau.com](mailto:Wade.Lumpkins@gerdau.com)