

CERTIFIED MATERIAL TEST REPORT



US-ML-PETERSBURG
25801 HOFHEIMER WAY
PETERSBURG, VA 23803-8905
USA

CUSTOMER SHIP TO S LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam 14 X 82# / 360 X 122	DOCUMENT ID: 0000502002
SALES ORDER 13670391/000010		CUSTOMER MATERIAL N° 00000003714820040		LENGTH 40'00"	PCS 4	WEIGHT 13,120 LB
CUSTOMER PURCHASE ORDER NUMBER 4500566539		BILL OF LADING 1330-0000211202		DATE 01/29/2024		
SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W						
HEAT / BATCH 60147700/02						

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
0.08	1.08	0.023	0.027	0.22	0.30	0.24	0.32	0.060	0.015	0.007	0.025	0.004	0.38

MECHANICAL PROPERTIES							
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T ratio (%)	G.L (Inches)	G.L (mm)	Elong. (%)
55002	77131	379	532	0.710	8.000	200.0	24.40
54611	76871	377	530	0.710	8.000	200.0	20.20

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, 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 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: (309) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Alice L. Pitchford
ALICE PITCHFORD
QUALITY ASSURANCE MGR.
Phone: (804) 524-2851 Email: Alice.pitchford@gerdau.com