

CERTIFIED MATERIAL TEST REPORT



GERDAU

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

CUSTOMER SHIP TO 4200 LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 10 X 49# / 250 X 73	DOCUMENT ID: 0000997520
SALES ORDER 13249195/000030		CUSTOMER MATERIAL N° 00000003710490020		LENGTH 20'00"	PCS 8	WEIGHT 7,840 LB
CUSTOMER PURCHASE ORDER NUMBER 4500556785		BILL OF LADING 1327-0000546067		DATE 09/13/2023		
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 (%)
0.09	0.88	0.013	0.026	0.20	0.30	0.10	0.15	0.022	0.012	0.001	0.020	0.30

MECHANICAL PROPERTIES										YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
										53635	69512	370	479	0.770	8.000	200.0	24.90
										53970	70290	372	485	0.770	8.000	200.0	25.20

COMMENTS : NOTES

Gerdaus 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 Gerdaus 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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