

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:
USA		M/ US 8		A992/A572-50	Wide Flange Beam / 10 X 49# / 250 X 73	0001004333
SALES ORDER		CUSTOMER MATERIAL N°		LENGTH	PCS	WEIGHT
13312162/000020		000000003710490020		20'00"	12	11,760 LB
CUSTOMER PURCHASE ORDER NUMBER		BILL OF LADING		SPECIFICATION / DATE or REVISION		
4500558178		1327-0000548305		DATE		
				09/28/2023		
				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 ratio (%)	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

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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