

**CERTIFIED MATERIAL TEST REPORT**



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

STEEL AND PIPE NO. 47 LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO C	GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 12 X 53# / 310 X 79	DOCUMENT ID: 0000961419
SALES ORDER 13025357/000020		CUSTOMER MATERIAL N° 000000003712530030	LENGTH 30' 00"	PCS 8	WEIGHT 12,720 LB
CUSTOMER PURCHASE ORDER NUMBER 4500552458		BILL OF LADING 1327-0000534405	DATE 06/26/2023		
SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W					

CHEMICAL COMPOSITION	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)	
C (%) 0.08	Mn (%) 0.88	0.010	0.040	0.21	0.28	0.24	0.15	0.049	0.005	0.003	0.016	0.30

MECHANICAL PROPERTIES	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI) 54438 55417	71745 72501	375 382	495 500	0.760 0.760	8.000 8.000	200.0 200.0	24.40 25.30

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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