

**CERTIFIED MATERIAL TEST REPORT**



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

C S 4750 W MARSHALL AVE LONGVIEW, TX 75604-4817 USA MANHATTAN, KS 66505-1688 USA	GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 10 X 22# / 250 X 32.7	DOCUMENT ID: 0000976667
	LENGTH 40'00"	PCS 16	WEIGHT 14,080 LB
SALES ORDER 13195226/000010	CUSTOMER MATERIAL N° 000000003710220040	SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W	
CUSTOMER PURCHASE ORDER NUMBER G450041760	BILL OF LADING 1327-0000539341	DATE 07/31/2023	

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.09	0.94	0.011	0.018	0.21	0.25	0.07	0.14	0.019	0.005	0.002	0.014	0.30

MECHANICAL PROPERTIES		UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)		69809	382	481	0.790	8.000	200.0	24.60
		69049	389	476	0.820	8.000	200.0	26.00

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](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 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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