

CERTIFIED MATERIAL TEST REPORT



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

CUSTOMER SHIP TO ST 4750 W. MARSHALL AVE LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam : 4 X 13# : 100 X 19.3	DOCUMENT ID: 0001039598
SALES ORDER 13609612:000020		CUSTOMER MATERIAL N° 00000000374130050		LENGTH 50'00"	PCS 30	WEIGHT 19,500 LB
CUSTOMER PURCHASE ORDER NUMBER 4500564861		BILL OF LADING 1327-0000559704	DATE 12/19/2023	SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WML 50W		

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	C _{Eqv} A6 (%)
0.08	0.86	0.010	0.025	0.18	0.29	0.11	0.17	0.026	0.006	0.002	0.014	0.29

MECHANICAL PROPERTIES		YS (PSI)	YS (MPa)	UTS (MPa)	Y:T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)		74954	390	517	0.750	8.000	200.0	23.50
		56479	377	508	0.740	8.000	200.0	23.40
		54670						

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.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR
Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Wade Lumpkins
WADE LUMPKINS
QUALITY ASSURANCE MGR
Phone: 972-379-3118 Email: Wade.Lumpkins@gerdau.com