



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

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO STEEL AND PIPE SUPPLY CO INC LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO STEEL AND PIPE SUPPLY CO INC MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 8 X 31# / 200 X 46.1	DOCUMENT ID: 0000936725
SALES ORDER 12899859/000010		CUSTOMER MATERIAL N° 00000000378310040		LENGTH 40'00"	PCS 17	WEIGHT 21,080 LB
CUSTOMER PURCHASE ORDER NUMBER G450040817		BILL OF LADING 1327-0000526642		DATE 05/04/2023		
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 (%)
0.08	0.92	0.022	0.039	0.24	0.30	0.09	0.17	0.024	0.008	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. (%)	
56829	74172	392	512	0.770	8.000	200.0	25.20	
59310	75497	409	521	0.790	8.000	200.0	25.30	

COMMENTS / NOTES

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.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Wade A. Lumpkins
WADE LUMPKINS
QUALITY ASSURANCE MGR.

Phone: 972-779-3118 Email: Wade.Lumpkins@gerdau.com