



GERDAU

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

CERTIFIED MATERIAL TEST REPORT

C		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 8 X 24# / 200 X 35.9	DOCUMENT ID: 0000919550
USA	MANHATTAN, KS 66505-1688 USA	LENGTH 20'00"	WEIGHT 7,680 LB	HEAT / BATCH 59110559/03
SALES ORDER 12826429/000050	CUSTOMER MATERIAL N° 000000000378240020	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 G450040518	BILL OF LADING 1327-0000521371	DATE 04/02/2023		

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
C (%)	0.09	0.87	0.011	0.026	0.19	0.09	0.15	0.025	0.006	0.001	0.011	0.29

MECHANICAL PROPERTIES		YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)	54060	373	491	0.760	200.0	27.90
	53768	371	497	0.750	200.0	27.70

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
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