



**CERTIFIED MATERIAL TEST REPORT**

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

CUSTOMER SHIP TO STEEL AND PIPE SUPPLY CO INC 4750 W MARSHALL AVE 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 / 4 X 13# / 100 X 19.3	DOCUMENT ID: 0000891658	
SALES ORDER 12614323/000010		CUSTOMER MATERIAL N° 00000000374130020		LENGTH 20'00"	PCS 15	WEIGHT 3,900 LB	HEAT / BATCH 59108711/03
CUSTOMER PURCHASE ORDER NUMBER G450039893		BILL OF LADING 1327-0000512455		DATE 02/09/2023		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 (%)	Al (%)	CEqvA6 (%)	
0.10	0.84	0.008	0.025	0.20	0.25	0.08	0.17	0.019	0.004	0.001	0.014	0.001	0.30	


MECHANICAL PROPERTIES									
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)		
55454	71185	382	491	0.780	8.000	200.0	20.40		
58443	70837	403	489	0.830	8.000	200.0	21.10		

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.

  
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