


CERTIFIED MATERIAL TEST REPORT

 <p>GERDAU US-ML-MIDLOTHIAN 300 WARD ROAD MIDLOTHIAN, TX 76065 USA</p>	GRADE A992/A572-50		SHAPE / SIZE Wide Flange Beam / 4 X 13# / 100 X 19.3		DOCUMENT ID: 0000860141
	LENGTH 20'00"	PCS 30	WEIGHT 7,800 LB	HEAT / BATCH 59107198/03	
SALES ORDER 12420239/000020		SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-18 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W			
CUSTOMER PURCHASE ORDER NUMBER 4500540595		BILL OF LADING 1327-0000502279		CUSTOMER MATERIAL N° 00000000374130020	
DATE 11/28/2022		COMMENTS / NOTES			

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	0.09	0.011	0.019	0.17	0.31	0.09	0.15	0.020	0.005	0.001	0.014	0.001	0.31

MECHANICAL PROPERTIES		YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)	62148	428	490	0.870	8.000	200.0	24.50
	59628	411	499	0.820	8.000	200.0	24.70

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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