


CERTIFIED MATERIAL TEST REPORT

 <p>US-ML-MIDLOTHIAN 300 WARD ROAD MIDLOTHIAN, TX 76065 USA</p>	CUSTOMER SHIP TO CUSTOMER BILL TO		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 10 X 45# / 250 X 67	DOCUMENT ID: 0000824789	
	SALES ORDER 12195815/000020	BILL OF LADING 1327-0000490544	DATE 08/31/2022	LENGTH 40'00"	PCS 4	WEIGHT 7,200 LB
CUSTOMER PURCHASE ORDER NUMBER SSW130305	CUSTOMER MATERIAL N° ASTM A6-17 ASTM A709-18 ASTM A992-20, A572-21 CSA G4021-13 345WM, 50W					

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CE _{qvA6} (%)
C (%)	0.10	0.96	0.010	0.015	0.19	0.32	0.22	0.058	0.006	0.002	0.021	0.001	0.35

MECHANICAL PROPERTIES		YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)	55612	383	486	0.790	8.000	200.0	25.80
54202	69817	374	481	0.780	8.000	200.0	24.60

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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