

**CERTIFIED MATERIAL TEST REPORT**

<b>GRADE</b> A992/A572-50		<b>SHAPE / SIZE</b> Wide Flange Beam / 4 X 13# / 100 X 19.3		<b>DOCUMENT ID:</b> 0000870715	
<b>LENGTH</b> 20'00"	<b>PCS</b> 30	<b>WEIGHT</b> 7,800 LB	<b>HEAT / BATCH</b> 59108691/03		

<b>SPECIFICATION / DATE or REVISION</b> ASTM A6-17 ASTM A709-18 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W	
<b>SALES ORDER</b> 12506315/000010	<b>CUSTOMER MATERIAL N°</b> 000000000374130020
<b>BILL OF LADING</b> 1327-0000505757	<b>DATE</b> 12/21/2022

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

**CUSTOMER PURCHASE ORDER NUMBER**  
G450039601

<b>CHEMICAL COMPOSITION</b>																									
C (%)	0.08	P (%)	0.008	S (%)	0.030	Si (%)	0.23	Cu (%)	0.27	Ni (%)	0.11	Cr (%)	0.15	Mn (%)	0.025	Sn (%)	0.007	V (%)	0.001	Nb (%)	0.014	Al (%)	0.001	CEqvA6 (%)	0.29

<b>MECHANICAL PROPERTIES</b>															
YS (MPa)	427	YS (MPa)	397	UTS (MPa)	513	UTS (MPa)	511	Y/T rati (%)	0.830	G/L (Inches)	8.000	G/L (mm)	200.0	Elong. (%)	21.60
61893	74321	74025						0.780		8.000	200.0	22.10			

**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.

*Bhaskar*  
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QUALITY DIRECTOR

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