


CERTIFIED MATERIAL TEST REPORT

 <p>US-ML-PETERSBURG                  25801 HOFHEIMER WAY                  PETERSBURG, VA 23803-8905                  USA</p>	GRADE A992/A572-50		SHAPE / SIZE Wide Flange Beam / 12 X 120# / 310 X 179		DOCUMENT I 0000454335
	LENGTH 40'00"		PCS 1	WEIGHT 4,800 LB	HEAT / BATCH 60144259/04
SALES ORDER 13015184/000010		SPECIFICATION / DATE OF REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W			
CUSTOMER PURCHASE ORDER NUMBER A76604GP		BILL OF LADING 1330-0000197926		CUSTOMER MATERIAL N° DATE 05/31/2023	
USA		USA			

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mn (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqVA6 (%)
C (%)	0.09	1.26	0.010	0.028	0.21	0.15	0.14	0.040	0.013	0.003	0.022	0.003	0.37
MECHANICAL PROPERTIES		YS (MPa)	YS (PSI)	UTS (MPa)	UTS (PSI)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)				
YS 0.2% (PSI)	56766	391	72385	499	0.780	8.000	200.0	27.20					
	55034	379	73049	504	0.750	8.000	200.0	28.30					

COMMENTS / NOTES

Gerdaus steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit [www2.gerdau.com/metals-recycling](http://www2.gerdau.com/metals-recycling), or contact [metalsrecycling@gerdau.com](mailto:metalsrecycling@gerdau.com).

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 Gerdaus 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 YALAMANCHILI  
 QUALITY DIRECTOR

*Alice K. Pitchford*  
 ALICE PITCHFORD  
 QUALITY ASSURANCE MGR.