

CERTIFIED MATERIAL TEST REPORT

GRADE A992/A572-50		SHAPE / SIZE Wide Flange Beam / 12 X 152# / 310		DOCUMENT I 0000454334	
LENGTH 40'00"		PCS 3		HEAT / BATCH 60144251/07	
SPECIFICATION / DATE of REVISION ASTM A5-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM					
SALES ORDER 13014297/000010		CUSTOMER MATERIAL N°			
CUSTOMER PURCHASE ORDER NUMBER A766062GP		BILL OF LADING 1330-0000197926		DATE 05/31/2023	

GERDAU
 US-ML-PETERSBURG
 25801 HOFHEIMER WAY
 PETERSBURG, VA 23803-8905
 USA

CHEMICAL COMPOSITION		C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
0.10	1.21	0.010	0.040	0.25	0.17	0.32	0.21	0.040	0.010	0.040	0.010	0.003	0.032	0.004	0.38

MECHANICAL PROPERTIES		YS (MPa)	YS (PSI)	UTS (MPa)	UTS (PSI)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
57046	72520	393	73844	500	0.790	8.000	200.0	27.80	
57277	73844	395	73844	509	0.780	8.000	200.0	26.40	

COMMENTS / NOTES

Gerda's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact 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 Gerda's 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.

Maskay
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR

Alice S. Pitchford
 ALICE PITCHFORD
 QUALITY ASSURANCE MGR