CERTIFIED MATERIAL TEST REPORT

GERDAU

US-ML-CARTERSVILLE
384 OLD GRASSDALE ROAD NE
CARTERSVILLE, GA 30121
USA

GRADE	SHAPE / SIZE	DOCUMENT ID:
A992/A572-50	Wide Flange Beam / 12 X 50# / 310 X 74	0000642618

LENGTH	PCS	WEIGHT	HEAT / BATCH
50' 00"	4	10,000 LB	**55086787**/08

SALES ORDER	CUSTOMER MATERIAL Nº
13396094/000010	000000003712500050

SPECIFICATION / DATE or REVISION
ASTM A6-17
ASTM A709-21 GR50
ASTM A992-20, A572-21
CSA G40.21-13 345WM, 50W

CUSTOMER PURCHASE ORDER NUMBER	BILL OF LADING	DATE
4500559840	1323-0000247423	09/28/2023

CHEMICAL COMPOSITION

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.08	1.07	0.017	0.027	0.28	0.28	0.15	0.17	0.038	0.012	0.048	0.001	0.34

MECHANICAL PROPERTIES

YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	Elong. (%)
56900	72200	392	498	0.790	8.000	24.70
57800	72900	399	503	0.790	8.000	25.20

COMMENTS / NOTES

Gerdau'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 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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