GERDAU

CERTIFIED MATERIAL TEST REPORT

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

GRADE	SHAPE / SIZE	DOCUMENT ID
A992/A572-50	Wide Flange Beam / 8 X 31# / 200 X 46.1	0000973594

LENGTH	PCS	WEIGHT	HEAT / BATCH
20' 00"	12	7,440 LB	58057525/03

SALES ORDER	CUSTOMER MATERIAL N°
13173290/000040	000000000378310020

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
G450041641	1327-0000538371	07/25/2023

CHEMICAL COMPOSITION

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.10	0.94	0.015	0.022	0.22	0.26	0.16	0.20	0.030	0.008	0.002	0.019	0.33

MECHANICAL PROPERTIES

YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
62494	80213	431	553	0.780	8.000	200.0	24.70
63049	81481	435	562	0.770	8.000	200.0	24.50

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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