CERTIFIED MATERIAL TEST REPORT

GERDAU

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

CUSTOMER SHIP TO	CUSTOMER BILL TO

GRADE	SHAPE / SIZE	DOCUMENT ID:
A992/A572-50	Wide Flange Beam / 8 X 21# / 200 X 31.3	0001142192

LENGTH	PCS	WEIGHT	HEAT / BATCH
20' 00"	10	4,200 LB	**59118442**/03

SALES ORDER	CUSTOMER MATERIAL Nº
14271285/000010	000000000378210020

SPECIFICATION / DATE or REVISION
ASTM A6-24A
ASTM A709-21 GR50
ASTM A992-22, A572-21E1
CSA G40.21-13(R23) 345WM, 50W

CUSTOMER PURCHASE ORDER NUMBER	BILL OF LADING	DATE
4500580179	1327-0000591494	08/16/2024

CHEMICAL COMPOSITION

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.08	0.96	0.012	0.021	0.24	0.28	0.14	0.15	0.031	0.009	0.003	0.014	0.31

MECHANICAL PROPERTIES

YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)
51232	69133	353	477	0.740	8.000	200.0	27.00
52396	70202	361	484	0.750	8.000	200.0	26.70

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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