



**CERTIFIED MATERIAL TEST REPORT**

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

CUSTOMER PURCHASE ORDER NUMBER 4500556043	BILL OF LADING 1327-0000540712	DATE 08/08/2023	GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam . 8 X 40# . 200 X 89	DOCUMENT ID: 0000980876
SALES ORDER 13211093/000010			LENGTH 20'00"		PCS 6
CUSTOMER MATERIAL N° 00000000378400020			WEIGHT 4,800 LB		
			HEAT BATCH 58057475/05		
SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W					

CHEMICAL COMPOSITION												
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	CEqvA6 (%)
0.09	0.96	0.014	0.043	0.29	0.27	0.09	0.16	0.023	0.003	0.002	0.019	0.31

MECHANICAL PROPERTIES							
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
56560	72301	390	499	0.780	8.000	200.0	22.60
54454	70426	376	486	0.770	8.000	200.0	26.70

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](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 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.

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