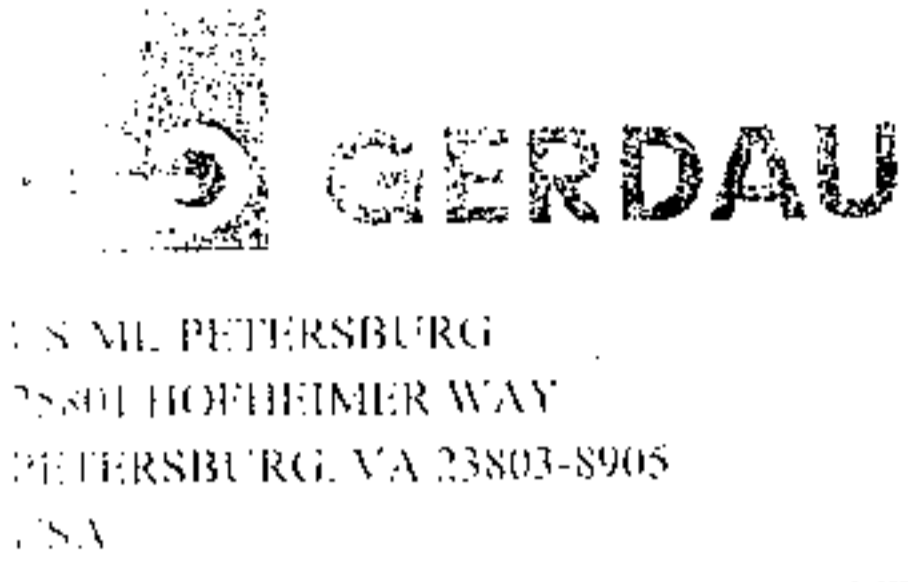


CERTIFIED MATERIAL TEST REPORT



CUSTOMER SHIP TO LONGVIEW, TX 75604-4817 USA		CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam 16 X 36 X 53	DOCUMENT ID 000048359
SALES ORDER 13514772-000020		CUSTOMER MATERIAL N° 00000003716360040		LENGTH 40'00"	PCS 2	WEIGHT 2,880 LB
CUSTOMER PURCHASE ORDER NUMBER 3590567726		BILL OF LADING 1330-0000206211	DATE 11/06/2023	SPECIFICATION, DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W		
HEAT BATCH 6014649301						

CHEMICAL COMPOSITION													
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
0.09	0.97	0.014	0.026	0.22	0.31	0.18	0.20	0.050	0.015	0.004	0.021	0.003	0.33

MECHANICAL PROPERTIES		UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)
YS 0.2% (PSI)		70660	394	487	0.810	8.000	200.0	27.50
		71190	397	491	0.810	8.000	200.0	28.30

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 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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