

CERTIFIED MATERIAL TEST REPORT

DOCUMENT ID: 0000441370	SHAPE / SIZE Wide Flange Beam / 12 X 65# / 310 X 97
GRADE A992/A572-50	WEIGHT 10,400 LB
LENGTH 40'00"	PCS 4
HEAT / BATCH 60143737/05	

CUSTOMER MATERIAL N° 000000003712650040	DATE 03/28/2023
SALES ORDER 12806802/000010	BILL OF LADING 1330-0000194053
MANHATTAN, KS 66505-1688 USA	

CUSTOMER PURCHASE ORDER NUMBER G450040470	USA
US-ML-PETERSBURG 25801 HOFHEIMER WAY PETERSBURG, VA 23803-8905 USA	

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 (%)	Al (%)	CEqvA6 (%)
	0.08	1.16	0.008	0.032	0.23	0.31	0.15	0.12	0.040	0.028	0.003	0.017	0.001	0.33
MECHANICAL PROPERTIES	YS (MPa)	YS (PSI)	UTS (MPa)	UTS (PSI)	Y/T ratio (%)	G/L (Inches)	G/L (mm)	Elong. (%)						
	381	71741	495	71741	0.770	8.000	200.0	25.80						
	369	68710	474	68710	0.780	8.000	200.0	27.60						

COMMENTS / NOTES

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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