



CERTIFIED MATERIAL TEST REPORT

US-ML-PETERSBURG
25801 HOFHEIMER WAY
PETERSBURG, VA 23803-8905
USA

SALES ORDER 12512540/000010		CUSTOMER MATERIAL N° 000000003716450040		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 16 X 45# / 410 X 67	DOCUMENT ID: 0000424968
				LENGTH 40'00"	PCS 4	WEIGHT 7,200 LB
CUSTOMER PURCHASE ORDER NUMBER 4500542497		BILL OF LADING 1330-0000189769		DATE 01/06/2023		SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-18 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 (%)
0.09	0.90	0.006	0.034	0.21	0.36	0.15	0.10	0.040	0.013	0.002	0.015	0.000	0.30

MECHANICAL PROPERTIES									
YS 0.2% (PSI)	UTS (PSI)	YS (MPa)	UTS (MPa)	Y/T rati (%)	G/L (Inches)	G/L (mm)	Elong. (%)		
51276	68012	354	469	0.750	8.000	200.0	28.20		
50242	66851	346	461	0.750	8.000	200.0	29.90		

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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