

CERTIFIED MATERIAL TEST REPORT

DOCUMENT ID: 0000897344	SIIAPE / SIZE Wide Flange Beam / 8 X 28# / 200 X 41.7
GRADE A992/A572-50	HEAT / BATCH 59107862/02
LENGTH 40'00"	PCS 18
WEIGHT 20,160 LB	



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

MANHATTAN, KS 66505-1688
USA

CUSTOMER MATERIAL N°
00000000378280040

SALES ORDER
12608093/000150

BILL OF LADING
1327-0000514255

DATE
02/20/2023

CUSTOMER PURCHASE ORDER NUMBER
4500544156

SPECIFICATION / DATE of REVISION
ASTM A6-17
ASTM A709-18
ASTM A992-20, A572-21
CSA G40.21-13 345WM, 50W

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)
C (%)	0.10	0.011	0.041	0.20	0.32	0.11	0.14	0.025	0.009	0.002	0.014	0.001	0.32
MECHANICAL PROPERTIES		UTS (PSI)		YS (MPa)		UTS (MPa)		Y/T ratio (%)		G/L (Inches)		G/L (mm)	
YS 0.2% (PSI)	51447	71142	355	490	0.720	8.000	200.0	8.000	200.0	26.40	200.0	25.70	
	51640	71640	356	494	0.720	8.000	200.0	8.000	200.0	25.70	200.0	25.70	

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.

Wade A. Lumpkins
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