



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

CERTIFIED MATERIAL TEST REPORT

GRADE A992/A572-50		SHAPE / SIZE Wide Flange Beam / 12 X 40# / 310 X 60		DOCUMENT ID: 0000813756	
LENGTH 60'00"		PCS 4		WEIGHT 9,600 LB	
MANHATTAN, KS 66505-1688 USA		HEAT / BATCH 58052855/03			
SALES ORDER 12059945/000050		SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-18 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W			
CUSTOMER PURCHASE ORDER NUMBER G450038531		BILL OF LADING 1327-0000486980		DATE 08/04/2022	
CUSTOMER MATERIAL N° 000000003712400060					

CHEMICAL COMPOSITION														
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	Sn (%)	V (%)	Nb (%)	Al (%)	CEqvA6 (%)	
0.08	0.91	0.009	0.023	0.25	0.29	0.09	0.18	0.025	0.005	0.001	0.020	0.000	0.30	
MECHANICAL PROPERTIES														
YS 0.2% (PSI)				YS (MPa)		UTS (MPa)		Y/T ratio (%)		G/L (Inches)		G/L (mm)		Elong. (%)
55123				380		476		0.800		8.000		200.0		25.10
53283				367		461		0.800		8.000		200.0		25.90
											G/L (mm)		Elong. (%)	
											200.0		25.90	

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.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Wade A. Lumpkins
WADE LUMPKINS
QUALITY ASSURANCE MGR.

Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Phone: 972-779-3118 Email: Wade.Lumpkins@gerdau.com