



GRADE A992/A572-50		SHAPE / SIZE Wide Flange Beam / 12 X 30# / 310 X 44.5		DOCUMENT ID: 0000910421
LENGTH 60'00"	PCS 6	WEIGHT 10,800 LB	HEAT / BATCH 59110267/03	
SPECIFICATION / DATE of REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W				

SALES ORDER 12781752/000010	CUSTOMER MATERIAL N°
BILL OF LADING 1327-0000518500	DATE 03/15/2023

CHEMICAL COMPOSITION		P (%)		S (%)		Si (%)		Cu (%)		Ni (%)		Cr (%)		Mo(%)		Sn (%)		V (%)		Nb (%)		CEqvA6 (%)			
C (%)	0.10	Mn (%)	0.99	P (%)	0.021	S (%)	0.027	Si (%)	0.22	Cu (%)	0.29	Ni (%)	0.15	Cr (%)	0.27	Mo(%)	0.038	Sn (%)	0.009	V (%)	0.002	Nb (%)	0.020	CEqvA6 (%)	0.35

MECHANICAL PROPERTIES		YS (MPa)		UTS (MPa)		Y/T rati (%)		G/L (Inches)		G/L (mm)		Elong. (%)	
YS 0.2% (PSI)	74731	YS (MPa)	396	UTS (MPa)	515	Y/T rati (%)	0.770	G/L (Inches)	8.000	G/L (mm)	200.0	Elong. (%)	24.70
57441	76097	406	406	525	525	0.770	8.000	200.0	200.0	24.60	24.60		

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.

Maskey
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR

Wade A. Hill
 WADE LUMPKINS
 QUALITY ASSURANCE MGR.

Phone: (409) 767-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Phone: 0772-770-3118 Email: Wade.Lumpkins@gerdau.com

