



CERTIFIED MATERIAL TEST REPORT

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

CUSTOMER SHIP TO GERDAU CORSA SAPI SA DE CV 16 603 717 ZVP GENERAL ESCOBEDO, NL 64000 Mexico		CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN, HGO 43990 Mexico		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 27 X 114# / 690 X 170	DOCUMENT ID: 0000001584
SALES ORDER 3326307/000140		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 86,640 LB	HEAT / BATCH 60115160/02
CUSTOMER PURCHASE ORDER NUMBER 4505183013				BILL OF LADING 1330-0000065366		DATE 29.02.2016
SPECIFICATION / DATE or REVISION ASTM A6-14 ASTM A709-13A ASTM A992-11, A572-15 CSA G40.21-13 345WM						

CHEMICAL COMPOSITION													
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	Sn %	V %	Nb %	Al %	
0.09	1.16	0.014	0.026	0.22	0.42	0.12	0.14	0.024	0.015	0.002	0.016	0.003	

CHEMICAL COMPOSITION	
CE _{eq} A6 %	0.35

MECHANICAL PROPERTIES						
YS 0.2% PSI	UTS PSI	YS MPa	UTS MPa	Y/T ratio %	G/L Inch	
57200 56700	73000 73100	394 391	503 504	0.784 0.776	8.000 8.000	

MECHANICAL PROPERTIES	
G/L mm	Elong. %
200.0 200.0	25.80 26.60

COMMENTS / NOTES

11030259

The above figures are certified chemical and physical test records as contained in the permanent records of company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in the USA. CMTR complies with EN 10204 3.1.

Bhaskar

BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Alice L. Pitchford

ALICE PITCHFORD
QUALITY ASSURANCE MGR.