



GERDAU

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

CERTIFIED MATERIAL TEST REPORT

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 D E CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 33 X 130# / 840 X 193	DOCUMENT ID: 0000018981
SALES ORDER 3940228/000080		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 98,800 LB	HEAT / BATCH 60117543/12
BILL OF LADING 1330-0000071456		DATE 08.08.2016		SPECIFICATION / DATE OF REVISION ASTM A6-14 ASTM A709-15 ASTM A992-11 (2015), A572-15 CSA G40.21-13 345WM		

CUSTOMER PURCHASE ORDER NUMBER
4505974278

CHEMICAL COMPOSITION		P		S		Mn		Ni		Cu		Si		Cr		Mo		V		Nb		Ti	
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
0.10	1.28	0.015	0.034	0.23	0.39	0.14	0.13	0.040	0.020	0.002	0.020	0.002	0.003										

CHEMICAL COMPOSITION
CE%_{A6}
0.38

MECHANICAL PROPERTIES		YS		UTS		Y/T _{rati}	
PSI	MPa	PSI	MPa	in	mm	in	mm
59000	76400	407	527	0.770	0.770	8.000	8.000
59200	77300	408	533	0.770	0.770	8.000	8.000

MECHANICAL PROPERTIES
Elong.
mm
200.0
22.60
200.0
25.50

COMMENTS / NOTES

00001490

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 X. Pitchford
ALICE PITCHFORD
QUALITY ASSURANCE MGR