



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 67,600 LB	HEAT / BATCH 60117544/07
CUSTOMER PURCHASE ORDER NUMBER 4505974278		BILL OF LADING 1330-0000071456		SPECIFICATION / DATE OF REVISION ASTM A5-14 ASTM A709-15 ASTM A992-11 (2015), A572-15 CSA G40.21-13 345WM		

CHEMICAL COMPOSITION		P		S		Si		Mn		C		Ni		Cu		Mo		S <sub>p</sub>		V		Nb		Al	
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
0.09	1.20	0.016	0.039	0.22	0.34	0.14	0.12	0.040	0.015	0.002	0.016	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

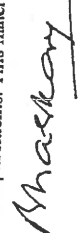
MECHANICAL PROPERTIES		Y <sub>S</sub> 0.2%		Y <sub>S</sub> 0.7%		Elong.	
MPa	ksi	MPa	ksi	MPa	ksi	%	mm
56300	8100	72800	10500	74000	10700	25.10	200.0
57900	8350	74000	10700	74000	10700	24.70	200.0


MECHANICAL PROPERTIES		Y/T <sub>ratio</sub>	
G/L	Inch	%	%
200.0	8.000	0.770	0.780
200.0	8.000	0.770	0.780

COMMENTS / NOTES

00001485

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 YALAMANCHILI  
 QUALITY DIRECTOR

  
 ALICE PITCHFORD  
 QUALITY ASSURANCE MGR.