



**CERTIFIED MATERIAL TEST REPORT**

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

<b>CUSTOMER SHIP TO</b> GERDAU CORSA SAPI SA DE CV 16 603 717 ZVP GENERAL ESCOBEDO, NL 64000 Mexico		<b>CUSTOMER BILL TO</b> GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN, HGO 43990 Mexico		<b>GRADE</b> A992/A572-50	<b>SHAPE / SIZE</b> Wide Flange Beam / 14 X 109# / 360 X 162
<b>SALES ORDER</b> 3326307/000020		<b>CUSTOMER MATERIAL N°</b>		<b>LENGTH</b> 40'00"	<b>WEIGHT</b> 34,880 LB
<b>CUSTOMER PURCHASE ORDER NUMBER</b> 4505183013		<b>BILL OF LADING</b> 1330-0000064701		<b>DATE</b> 10.02.2016	
<b>SPECIFICATION / DATE or REVISION</b> ASTM A6-14 ASTM A709-13A ASTM A992-11, A572-15 CSA G40.21-13 345WM					

CHEMICAL COMPOSITION													
C %	Mn %	P %	S %	Si %	Cl %	Ni %	Cr %	Mo %	Sn %	V %	Nb %	Al %	
0.08	1.15	0.016	0.027	0.22	0.35	0.12	0.12	0.026	0.015	0.001	0.016	0.002	

CHEMICAL COMPOSITION	
CE <sub>γ</sub> A6 %	
0.34	

MECHANICAL PROPERTIES						
YS 0.2% PSI	UTS PSI	YS MPa	UTS MPa	Y/T rati %	G/L Inch	
57000	74400	393	513	0.766	8.000	
56700	74200	391	512	0.764	8.000	

MECHANICAL PROPERTIES		
G/L mm	Elong. %	
200.0	24.80	
200.0	25.30	

COMMENTS / NOTES

029839

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.