



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 DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN, HGO 43990 Mexico		GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 14 X 90# / 360 X 134	DOCUMENT ID: 0000028121
SALES ORDER 4280002/000040		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 28,800 LB	HEAT / BATCH 60118180/02
CUSTOMER PURCHASE ORDER NUMBER 4506430312		DATE 08.11.2016		SPECIFICATION / DATE or REVISION ASTM A6-14 ASTM A709-15 ASTM A992-11 (2015), A572-15 CSA G40.21-13 345WM		

CHEMICAL COMPOSITION							
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %
0.08	1.11	0.010	0.036	0.19	0.35	0.12	0.09
CHEMICAL COMPOSITION							
CE _{qv} A6							
0.32							

MECHANICAL PROPERTIES							
YS, 0.2% PSI	YS MPa	UTS PSI	UTS MPa	Y/T ratio %	Mo %	Sn %	V %
55400	382	73200	505	0.760	0.020	0.014	0.002
53900	372	74000	510	0.730			
MECHANICAL PROPERTIES							
G/L mm							
200.0							
200.0							

MECHANICAL PROPERTIES							
G/L mm							
200.0							
200.0							
COMMENTS / NOTES							

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.

Mackay BHASKAR YALAMANCHILI
 QUALITY DIRECTOR

Alice L. Pitchford ALICE PITCHFORD
 QUALITY ASSURANCE MGR.