



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: 0000027800
SALES ORDER 4280002/000040		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 115,200 LB	HEAT / BATCH 6011817702
CUSTOMER PURCHASE ORDER NUMBER 4506430312		BILL OF LADING 1330-0000074525	DATE 04.11.2016	SPECIFICATION / DATE OF REVISION ASTM A6-14 ASTM A709-15 ASTM A992-11 (2015), A572-15 CSA G40.21-13 345WM		

CHEMICAL COMPOSITION	
C %	0.09
Mn %	1.23
P %	0.010
S %	0.018
Si %	0.18
Cu %	0.35
Ni %	0.13
Cr %	0.10
Mo %	0.020
Sn %	0.012
V %	0.002
Nb %	0.023
Al %	0.003

CHEMICAL COMPOSITION	
CEqvA6 %	0.35

MECHANICAL PROPERTIES	
YS, 0.2% PSI	71600
YS PSI	372
UTS PSI	72100
UTS MPa	494
UTS MPa	497
Y/T ratio %	0.740
G/L Inch	8.000
G/L	8.000

MECHANICAL PROPERTIES	
Elong. %	27.60
G/L mm	200.0
G/L	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.

Shashank
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Alice Pitchford
ALICE PITCHFORD
QUALITY ASSURANCE MGR.