



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 SAPI 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 10000006623
SALES ORDER 3321158/000030	CUSTOMER MATERIAL N°	LENGTH 40'00"	WEIGHT 36,000 LB	HEAT / BATCH 6011599/0/02
BILL OF LADING 1330-0000067005		SPECIFICATION / DATE OF REVISION ASTM A6-14 ASTM A709-13A ASTM A992-11, A572-15 CSA G40.21-13 345WM		
CUSTOMER PURCHASE ORDER NUMBER 4505199060	DATE 11.04.2016			

CHEMICAL COMPOSITION	C	P	S	S _i	S _p	Ni	Cu	Mo	V	Nb	Al
	0.10	0.017	0.031	0.21	0.31	0.12	0.12	0.028	0.001	0.019	0.002

CHEMICAL COMPOSITION	CE ₉ A6	0.34
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MECHANICAL PROPERTIES	YS _{0.2%}	YS	UTS	Y/T _{ratio}	G/L
	PSI	MPa	MPa	%	Inch
	53385	382	500	0.764	8.000
	53264	381	498	0.765	8.000

MECHANICAL PROPERTIES	Elong.	G/L
	%	mm
	25.60	200.0
	26.60	200.0

COMMENTS / NOTES

00002216

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.

Shackay

BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Alice K. Pitchford

ALICE PITCHFORD
QUALITY ASSURANCE MGR.