



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

CERTIFICADO DE CALIDAD

CUSTOMER SHIP TO TRANSPORTE DE GAS ROAN SA ZVP 16 603 717 GENERAL ESCOBEDO,NL 66052 Mexico		CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico		GRADE 992/572-50	SHAPE / SIZE WFBEAM SHAPE_I / 24 X 104# / 610 X 155
SALES ORDER 149656/000080		SPECIFICATION / DATE or REVISION A572/A572M-07 A592/A992M-11 ASTM A6/A6M-11		LENGTH 40'00"	WEIGHT 128,960 LB
CUSTOMER PURCHASE ORDER NUMBER 4500282629-VA		BILL OF LADING 1330-0000012214	DATE 04.12.2012	HEAT / BATCH 6010125102	

CHEMICAL COMPOSITION												
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Nb	Al
%	%	%	%	%	%	%	%	%	%	%	%	%
0.07	1.24	0.013	0.028	0.20	0.29	0.10	0.14	0.017	0.012	0.003	0.017	0.003

CHEMICAL COMPOSITION	
CEqvA5	%
0.3	

MECHANICAL PROPERTIES						
YS	UTS	YS	UTS	G/L	G/L	
KSI	KSI	MPa	MPa	Inch	mm	
55.7	70.2	384	484	8.000	200.0	
56.4	74.8	389	516	8.000	200.0	

MECHANICAL PROPERTIES		
Elong.	Y/T ratio	
%	%	
27.60	0.760	
26.80	0.750	

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. We certify that these data are correct and in compliance with specified requirements. CMTR complies with EN 10204 3.1.

Maskar
BRASKAR YALAMANCHILI
QUALITY DIRECTOR

Wade A. Hill
WADE LUMPKINS
QUALITY ASSURANCE MGR.