



GERDAU

US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
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_1 / 6 X 8.5# / 150 X 12.7
SALES ORDER 87463/000010		LENGTH 40'00"	WEIGHT 163,200 LB
CUSTOMER PURCHASE ORDER NUMBER 4500175835		SPECIFICATION / DATE or REVISION A572/A572M-07 A992/A992M-11 ASTM A6/A6M-11	
BILL OF LADING 1327-0000018147	DATE 17.08.2012		

CHEMICAL COMPOSITION													
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	Sn %	V %	Nb %	Al %	
0.08	0.83	0.010	0.020	0.24	0.39	0.10	0.11	0.030	0.008	0.001	0.018	0.003	

CHEMICAL COMPOSITION	
Cu %	0.3

MECHANICAL PROPERTIES						
YS KSI	UTS KSI	YS MPa	UTS MPa	G/I 1000	G/I mm	
61.2	75.5	450	527	8.000	200.0	
62.3	76.5	422	519	8.000	200.0	

MECHANICAL PROPERTIES		
Elong. %	Y/T %	
25.80	0.814	
24.40	0.813	

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.

Basakur
BASASKAR YALAMANCHILI
QUALITY DIRECTOR

Tom Harrington
TOM HARRINGTON
QUALITY ASSURANCE MGR.