



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_I / 6 X 8.5# / 150 X 12.7
SALES ORDER 87463/000010		LENGTH 40'00"		WEIGHT 65,280 LB	HEAT / BATCH 5905076902
CUSTOMER PURCHASE ORDER NUMBER 4500175835		BILL OF LADING 1327-0000012151		DATE 11.07.2012	
SPECIFICATION / DATE of REVISION A572/A572M-07 A992/A992M-11 ASTM A6/A6M-11					

CHEMICAL COMPOSITION												
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	Sn %	V %	Nb %	Al %
0.08	0.92	0.017	0.018	0.24	0.26	0.08	0.12	0.026	0.006	0.002	0.019	0.022

CHEMICAL COMPOSITION	
CEqv A6 %	%
0.3	

MECHANICAL PROPERTIES						
YS KSI	UTS KSI	YS MPa	UTS MPa	G/L Inch	G/L mm	
60.8	74.5	427	530	8.000	200.0	
61.9	76.8	419	514	8.000	200.0	

MECHANICAL PROPERTIES		
Elong. %	Y/T ratio %	
24.90	0.806	
24.20	0.816	

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.

Mackay

BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Tom Harrington

TOM HARRINGTON
QUALITY ASSURANCE MGR.