



GERDAU

US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO FORTACERO SA DE CV 14701 ATLANTA DRIVE LAREDO, TX 78045-7976 USA		CUSTOMER BILL TO FORTACERO SA DE CV BLVD CARLOS SALINAS DE GOTIARI APODACA, NL 66600 Mexico		GRADE 992/572-50	SHAPE / SIZE Wide Flange Beam / 21 X 93# / 530 X 138	
SALES ORDER 614082/000140		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 14,880 LB	HEAT / BATCH 59058577/05
CUSTOMER PURCHASE ORDER NUMBER 4500105846			BILL OF LADING 1327-0000084597	DATE 05.12.2013		
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 %
0.09	0.91	0.015	0.029	0.24	0.40	0.15	0.17	0.026	0.015	0.002	0.023	0.003

CHEMICAL COMPOSITION												
CE _{eq} A6												
%												
0.3												

MECHANICAL PROPERTIES						
YS	UTS	YS	UTS	G/L	G/L	
KSI	KSI	MPa	MPa	Inch	mm	
52.8	71.1	349	481	8.000	200.0	
50.5	69.7	364	490	8.000	200.0	

MECHANICAL PROPERTIES	
Elong.	Y/T rati
%	%
25.00	0.725
23.30	0.743

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. CMTR complies with EN 10204 3.1.

Bhaskar BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Tom Harrington TOM HARRINGTON
QUALITY ASSURANCE MGR.