

CERTIFIED MATERIAL TEST REPORT



GERDAU

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

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 / 10 X 33# / 250 X 49.1	
SALES ORDER 543918/000120		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 21,120 LB	HEAT / BATCH 59058146/02
CUSTOMER PURCHASE ORDER NUMBER 4500104042			BILL OF LADING 1327-0000080524	DATE 04.11.2013	SPECIFICATION / DATE or 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 %	
0.07	0.88	0.011	0.034	0.20	0.29	0.10	0.12	0.022	0.008	0.002	0.012	0.003	

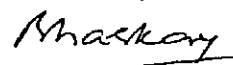
CHEMICAL COMPOSITION	
CT _{Eqv} A6 %	
0.3	

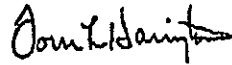
MECHANICAL PROPERTIES						
YS KSI	UTS KSI	YS MPa	UTS MPa	G/L Inch	G/L mm	
51.1	67.6	361	468	8.000	200.0	
52.3	67.8	352	466	8.000	200.0	

MECHANICAL PROPERTIES		
Elong. %	Y/T ratio %	
26.50	0.774	
26.60	0.754	

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 YALAMANCHILI
 QUALITY DIRECTOR


 TOM HARRINGTON
 QUALITY ASSURANCE MGR.