



USML-MIDLOTHIAN
 300 WARD ROAD
 MIDLOTHIAN, TX 76065
 USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO LP USA	CUSTOMER BILL TO LP USA	GRADE A992/A572-50	SHAPE / SIZE Wide Flange Beam / 14 X 61# / 360 X 91	DOCUMENT ID: 000106227
SALES ORDER 13391597/000010	CUSTOMER MATERIAL N°	LENGTH 4000"	PCS 3	WEIGHT 7,320 LB
BILL OF LADING 1327-0000548856	DATE 10/02/2023	SPECIFICATION / DATE OF REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W		

CUSTOMER PURCHASE ORDER NUMBER
 35W138637

CHEMICAL COMPOSITION		UTS (PSI)		UTS (MPa)		Y/T ratio (%)		G/L (mm)		Elong (%)															
C (%)	0.09	P (%)	0.007	S (%)	0.031	Si (%)	0.19	Cu (%)	0.26	Ni (%)	0.09	Cr (%)	0.13	Mn (%)	0.020	Mo (%)	0.005	Sn (%)	0.005	V (%)	0.003	Nb (%)	0.020	CEqvA6 (%)	0.29
Mn (%)	0.88	69710		YS (MPa)	379	0.790		8.000		25.40		200.0		8.000		0.760		200.0		26.60		200.0		26.60	
		69530			481	0.760		480		200.0		200.0		200.0		200.0		200.0		200.0		200.0		200.0	

MECHANICAL PROPERTIES

YS 0.2% (PSI)
 55010
 52593

COMMENTS / NOTES

Gerda's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www.w2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerda's possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

Maskay
 BHASKAR YALAMANCHILI
 QUALITY DIRECTOR
 Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Wade A. Lumpkins
 WADE LUMPKINS
 QUALITY ASSURANCE MGR.
 Phone: 972-779-3118 Email: Wade.Lumpkins@gerdau.com