



CERTIFIED MATERIAL TEST REPORT

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

		GRADE GGMULTI	SHAPE / SIZE Channel / 15 X 40#	DOCUMENT ID: 0000906974
		LENGTH 40'00"	WEIGHT 6,400 LB	HEAT / BATCH 59109378/05
SALES ORDER 12630069/000020	CUSTOMER MATERIAL N° 000000002515400040		SPECIFICATION / DATE or REVISION ASTM A529-19, A572-21 ASTM A6-17,A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13	
CUSTOMER PURCHASE ORDER NUMBER 4500544710	BILL OF LADING 1327-0000517352	DATE 03/08/2023		

CHEMICAL COMPOSITION																
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Al (%)	Ti (%)	B (%)	Ca (%)	N (%)	Pb (%)
0.08	0.89	0.010	0.034	0.20	0.34	0.17	0.24	0.037	0.001	0.022	0.000	0.002	0.0003	0.0018	0.0097	0.0000

CHEMICAL COMPOSITION					
Sb (%)	As (%)	Zn (%)	Co (%)	CEqvA6 (%)	Sn (%)
0.004	0.005	0.002	0.008	0.32	0.008

MECHANICAL PROPERTIES							
Elong. (%)	G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS 0.2% (PSI)	YS (MPa)	YS / UTS (%)
26.90	8.000	200.0	71962	496	55986	386	0.780
27.70	8.000	200.0	71820	495	56077	387	0.780

GEOMETRIC CHARACTERISTICS	
DimnWght	Branding
OK	OK


COMMENTS / NOTES

This grade meets the requirements for the following grades:
 ASTM Grades: A36; A529-50; A572-50; A709-36; A709-50
 CSA Grades: 44W; 50W
 AASHTO Grades: M270-36; M270-50
 ASME Grades: SA36

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 Gerdau 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.

 BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

 WADE LUMPKINS
QUALITY ASSURANCE MGR.

Phone: 972-779-3118 Email: Wade.Lumpkins@gerdau.com