

**CERTIFIED MATERIAL TEST REPORT**

DOCUMENT ID: 0000517762	SHAPE / SIZE Channel / 3 X 6#
GRADE GGMULTI	WEIGHT 4,800 LB
LENGTH 20'00"	HEAT / BATCH 63230269/04

CUSTOMER BILL TO MANHATTAN,KS 66505-1688 USA	SALES ORDER 12681706/000020
LONGVIEW, TX 75604-4817 USA	CUSTOMER MATERIAL N° 00000000025360020
BILL OF LADING 1333-0000209539	DATE 02/14/2023

**GERDAU**  
 US-ML-JACKSON TN  
 801 GERDAU AMERISTEEL ROAD  
 JACKSON, TN 38305  
 USA

CUSTOMER PURCHASE ORDER NUMBER  
4500545644

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Al (%)	CE <sub>eq</sub> (%)	Sn (%)
C (%)	0.14	0.74	0.019	0.23	0.32	0.10	0.20	0.030	0.003	0.009	0.001	0.38	0.010

MECHANICAL PROPERTIES		G/L (mm)	UTS (MPa)	YS (MPa)
Elong. (%)	29.00	200.0	535	398
	27.00	200.0	537	393

GEOMETRIC CHARACTERISTICS  
R:R  
17.28

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*  
 BHASKAR YALAMANCHILI  
 QUALITY DIRECTOR

*Ben Lovell*  
 BEN LOVELL  
 QUALITY ASSURANCE MGR.