

CERTIFIED MATERIAL TEST REPORT

DOCUMENT ID: 0000881459		SHAPE / SIZE Round Bar / 2"	
GRADE GGMULTI		HEAT / BATCH 58054334/07	
LENGTH 20'00"		WEIGHT 4,486 LB	
SPECIFICATION / DATE or REVISION ASME SA36, ASTM A529-14 ASTM A6-14, A36-14 CSA G40.20-13/G40.21-13			
4750 W MARSHALL AVE LONGVIEW, TX 75604-4817 USA		MANHATTAN, KS 66505-1688 USA	
SALES ORDER 12580946/000010		CUSTOMER MATERIAL N° 00000000009020020	
BILL OF LADING 1327-0000509092		DATE 01/18/2023	
CUSTOMER PURCHASE ORDER NUMBER 4500543677			

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

CHEMICAL COMPOSITION	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	Al (%)	Ti (%)	B (%)	Ca (%)	N (%)	Pb (%)	
C (%)	0.16	0.68	0.006	0.041	0.21	0.28	0.08	0.16	0.035	0.043	0.016	0.002	0.000	0.0003	0.0089	0.0000

CHEMICAL COMPOSITION	Zn (%)	Co (%)	CEqVA529 (%)	CEqVA6 (%)	Sn (%)
Sb (%)	0.003	0.005	0.38	0.34	0.008

MECHANICAL PROPERTIES	G/L (Inches)	G/L (mm)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
Elong. (%)	26.00	50.0	79891	551	53073	366
DimnWght	26.70	50.0	78494	541	53789	371

GEOMETRIC CHARACTERISTICS
 DimnWght
 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 Gerdaу 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

Wade A. Lumpkins
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