



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

CERTIFIED MATERIAL TEST REPORT

CU	4750 W MARSHALL AVE LONGVIEW, TX 75604-4817 USA	MANHATTAN, KS 66505-1688 USA	GRADE GGMULTI	SHAPE / SIZE Round Bar / 2"	DOCUMENT ID: 0006881459
SALES ORDER 12580946/000010	CUSTOMER MATERIAL N° 00000000009020020		LENGTH 20'00"	WEIGHT 4,486 LB	HEAT / BATCH 58054334/07
CUSTOMER PURCHASE ORDER NUMBER 4500543677	BILL OF LADING 1327-0000509092	DATE: 01/18/2023	SPECIFICATION / DATE: or REVISION ASME SA36, ASTM A529-14 ASTM A6-14, A36-14 CSA G40.20-13/G40.21-13		

CHEMICAL COMPOSITION		C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Al (%)	Ti (%)	B (%)	Ca (%)	N (%)	Pb (%)
0.16	0.68	0.006	0.041	0.041	0.21	0.28	0.08	0.08	0.16	0.035	0.043	0.016	0.000	0.002	0.0003	0.0017	0.0089	0.0000


CHEMICAL COMPOSITION		Sb (%)	As (%)	Zn (%)	Co (%)	CEq <sub>A529</sub> (%)	CEq <sub>A6</sub> (%)	Sn (%)
0.003	0.005	0.003	0.005	0.005	0.005	0.38	0.34	0.008

MECHANICAL PROPERTIES		Elong. (%)	26.00	26.70	G/L (Inches)	2.000	2.000	G/L (mm)	50.0	50.0	UTS (PSI)	79891	78494	UTS (MPa)	551	541	YS (PSI)	53073	53789	YS (MPa)	366	371

GEOMETRIC CHARACTERISTICS  
DimmWeight  
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 Gerdaus 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.

  
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