



CERTIFIED MATERIAL TEST REPORT

US-ML-CHARLOTTE  
6601 LAKEVIEW ROAD  
CHARLOTTE, NC 28269  
USA

GRADE GGMULTI	SHAPE / SIZE Flat Bar / 1/4 X 1	DOCUMENT ID: 0000137802
LENGTH 20'00"	WEIGHT 9,384 LB	HEAT / BATCH 54188611/04
SPECIFICATION / DATE or REVISION ASME SA36, ASTM A529-14 ASTM A6-17, A36-14, A572-15 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13		

CUSTOMER PURCHASE ORDER NUMBER 4500526206	BILL OF LADING 1321-0000099456	DATE 05/02/2022
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CHEMICAL COMPOSITION											
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	
0.11	0.62	0.015	0.042	0.18	0.35	0.28	0.18	0.080	0.003	0.008	


MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
26.20	8.000	73771	509	54352	375	
22.50	8.000	74131	511	56375	389	


GEOMETRIC CHARACTERISTICS	
R:R	
99.00	

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.

  
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