



CERTIFIED MATERIAL TEST REPORT

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

SALES ORDER 11580033/000020		CUSTOMER MATERIAL N° 00000000101210020	GRADE GGMULTI	SHAPE / SIZE Flat Bar / 3/8 X 1	DOCUMENT ID: 0000136848
CUSTOMER PURCHASE ORDER NUMBER 4500525404		BILL OF LADING 1321-0000098990	LENGTH 20'00"	WEIGHT 9,180 LB	HEAT / BATCH 54188636/02
			SPECIFICATION / DATE or REVISION ASME SA36, ASTM A529-14 ASTM A6-17, A36-14, A572-15 ASTM A709-18, AASHTO M270-12 CSA G40.20-13/G40.21-13		
			DATE 04/14/2022		

CHEMICAL COMPOSITION											
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	
0.14	0.63	0.011	0.028	0.19	0.37	0.19	0.21	0.050	0.003	0.007	

MECHANICAL PROPERTIES						
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)	
25.00	8.000	76059	524	55114	380	
22.50	8.000	75926	524	54426	375	

GEOMETRIC CHARACTERISTICS	
R:R	
66.00	

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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