



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

CERTIFIED MATERIAL TEST REPORT

GRADE GGMULTI		SHAPE / SIZE Angle / 1 1/4X1 1/4X1/4		DOCUMENT ID: 0000156458
LENGTH 20'00"		WEIGHT 4.762 LB	HEAT / BATCH 54194635/04	
SALES ORDER 12695323/000010		CUSTOMER MATERIAL N° 000000050108108820		SPECIFICATION / DATE or REVISION ASME SA36 ASTM A6-14, A36-14 ASTM A709-18, AASHTO M270-12 CSA G40.20-13/G40.21-13
CUSTOMER PURCHASE ORDER NUMBER 4500546225	BILL OF LADING 1321-0000109031	DATE 02/23/2023		

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)
0.12	0.63	0.013	0.029	0.17	0.34	0.16	0.19	0.040	0.004	0.007

MECHANICAL PROPERTIES					
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
26.20	8.000	71672	494	53745	371
26.20	8.000	72330	499	54381	375

GEOMETRIC CHARACTERISTICS	
R/R	
	4.00

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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