



U.S.-ML-CHARLOTTE
 6601 LAKEVIEW ROAD
 CHARLOTTE, NC 28269
 USA

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO	CUSTOMER BILL TO	GRADE	SHAPE / SIZE	DOCUMENT ID:
		GGMULTI	Flat Bar / 1/4 X 2 1/4	0000154905
SALLES ORDER 12628476/000020	CUSTOMER MATERIAL N°	LENGTH	WEIGHT	HEAT / BATCH
		20'00"	4,400 LB	54193787/06
CUSTOMER PURCHASE ORDER NUMBER SSW133232	BILL OF LADING 1321-0000108299	DATE	SPECIFICATION / DATE or REVISION	
		02/01/2023	ASTM A529-14, A572-15 ASTM A6-17, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13	

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
0.10	0.63	0.010	0.034	0.17	0.39	0.13	0.15	0.040	0.003	0.007

MECHANICAL PROPERTIES			
Elonge (%)	GL (Inches)	UTS (PSI)	UTS (MPa)
30.00	8.000	69971	482
27.50	8.000	69521	479
		YS (PSI)	YS (MPa)
		53357	368
		53025	366

GEOMETRIC CHARACTERISTICS	
R.R	44.00

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 Gerdaun possession. For all products other than 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.

Mackay
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