



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

CERTIFIED MATERIAL TEST REPORT

CUSTOMER SHIP TO NC		CUSTOMER BILL TO MANHATTAN,KS 66505-1688 USA		GRADE A36/44W	SHAPE / SIZE Channel / 2X1X3/16	DOCUMENT ID: 0000164102
NEW CENTURY,KS 66031-1127 USA		MANHATTAN,KS 66505-1688 USA		LENGTH 20'00"	WEIGHT 4,454 LB	HEAT / BATCH 54197053/07
SALES ORDER 13130117/000010		CUSTOMER MATERIAL N° 000000020200100620		SPECIFICATION / DATE or REVISION ASME SA36 ASTM A6-17, A36-14 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13		
CUSTOMER PURCHASE ORDER NUMBER 4500554508		BILL OF LADING 1321-0000112639		DATE 07/10/2023		

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)
0.16	0.63	0.013	0.043	0.20	0.38	0.18	0.24	0.040	0.002	0.002

MECHANICAL PROPERTIES					
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
25.00	8.000	72234	498	48041	331

GEOMETRIC CHARACTERISTICS	
R.R	36.00

COMMENTS / NOTES

Gerdaul's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

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 Gerdaul 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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