


CERTIFIED MATERIAL TEST REPORT

 <p>US-ML-CHARLOTTE 6601 LAKEVIEW ROAD CHARLOTTE, NC 28269 USA</p>	CUSTOMER SHIP TO	CUSTOMER BILL TO	GRADE A36-44W	SHAPE / SIZE Channel / 2X1X3/16	DOCUMENT ID: 0000172397
	LONGVIEW, TX 75604-4817 USA	MANHATTAN, KS 66505-1688 USA	LENGTH 20'00"	WEIGHT 6,682 LB	HEAT / BATCH 54198500/04
	SALES ORDER 13600457/000020	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 4500864810	BILL OF LADING 1321-0000116710	DATE 12/12/2023			

CHEMICAL COMPOSITION										
C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)
0.12	0.73	0.015	0.021	0.23	0.32	0.23	0.22	0.040	0.002	0.002


MECHANICAL PROPERTIES					
Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
28.80	8.000	71253	491	48284	333

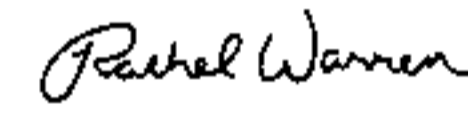
GEOMETRIC CHARACTERISTICS	
R/R	
36.00	

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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