


CERTIFIED MATERIAL TEST REPORT

4750 W. MAKSHALL AVE LONGVIEW, TX 75604-4817 USA		MANHATTAN, KS 66505-1688 USA		GRADE A36/44W	SHAPE / SIZE Flat Bar / 3/16 X 4	DOCUMENT ID: 0000204121
SALES ORDER 12639534/000010		CUSTOMER MATERIAL N° 000000000012640020		LENGTH 20'00"	WEIGHT 10,098 LB	HEAT / BATCH 52109145/03
CUSTOMER PURCHASE ORDER NUMBER 4500544857		BILL OF LADING 1301-0000062340		SPECIFICATION / DATE OF REVISION ASME SA36 ASTM A6-17, A36-14 ASTM A709-18, AASHTO M270-15 CSA G40.30-13/G40.21-13		

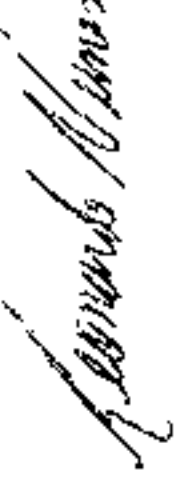

GERDAU
 CA-ML-CAMBRIDGE
 160 ORION PLACE
 CAMBRIDGE, ON N1T 1R9
 Canada

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)	Sn (%)
C (%)	0.11	1.18	0.030	0.23	0.25	0.10	0.18	0.030	0.025	0.001	0.018
MECHANICAL PROPERTIES		G/L (Inches)		UTS (PSI)		UTS (MPa)		YS (PSI)		YS (MPa)	
Elong. (%)	24.50	8.000	8.000	72675	73087	501	504	51074	51120	352	353
	26.00										

COMMENTS / NOTES

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 Gerdau possession. For all products other than billets, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, and Hot Rolled) in Canada. For billets, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in Canada. CMTR complies with EN 10204 3.1.


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