CERTIFIED MATERIAL TEST REPORT

GERDAU

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

GRADE	SHAPE / SIZE	DOCUMENT ID:
GGMULTI	Round Bar / 7/8"	0000150454

LENGTH	WEIGHT	HEAT / BATCH
20' 00"	4,501 LB	**54192985**/02

SALES ORDER	CUSTOMER MATERIAL Nº
12422790/000010	000000000000902820

SPECIFICATION / DATE or REVISION
ASME SA36, ASTM A529-14
ASTM A6-17, A36-14, A572-15
ASTM A709-18, AASHTO M270-15
CSA G40.20-13/G40.21-13

CUSTOMER PURCHASE ORDER NUMBER	BILL OF LADING	DATE
4500540609	1321-0000105840	11/10/2022

CHEMICAL COMPOSITION

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo(%)	V (%)	Nb (%)
0.13	0.70	0.014	0.034	0.19	0.36	0.12	0.16	0.020	0.003	0.008

MECHANICAL PROPERTIES

Elong. (%)	G/L (Inches)	UTS (PSI)	UTS (MPa)	YS (PSI)	YS (MPa)
28.80	8.000	72190	498	52583	363
28.80	8.000	71821	495	54278	374

GEOMETRIC CHARACTERISTICS

R:R
41.00

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 Gerdau 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.

BHASKAR YALAMANCHILI
QUALITY DIRECTOR
Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

RACHEL WARREN
QUALITY ASSURANCE MGR.
Phone: (704) 596-0361 EX3039 Email: Rachel.Webster@gerdau.com