

From: Service Steel Warehouse Date: 3/22/2023 To: SENTRY SUPPLY dba SO#: A756287 Ln#: 1
 PO#: P0240252-08 Part: C12106020* Qty: 4 Heat#: 55083953* Tag: B16032123



US-ML-CARTERSVILLE
 384 OLD GRASSDALE ROAD NE
 CARTERSVILLE, GA 30121
 USA

CERTIFIED MATERIAL TEST REPORT

SALES ORDER 12481332/000030		CUSTOMER MATERIAL N°	
BILL OF LADING 1323-0000228427		DATE 02/08/2023	
CUSTOMER PURCHASE ORDER NUMBER SSW132232		SPECIFICATION / DATE OF REVISION ASTM A529-19, A572-21 ASTM A6-17, A36-14, ASME SA-36 ASTM A709-18, AASHTO M270-15 CSA G40.20-13/G40.21-13	
GRADE GGMULTI		SHAPE / SIZE Misc Channel / 12 X 10.6#	
LENGTH 20'00"		WEIGHT 5.088 LB	
DOCUMENT ID: 0000577756		HEAT / BATCH 55083953/02	

CHEMICAL COMPOSITION		P (%)	S (%)	Si (%)	Cu (%)	Ni (%)	Cr (%)	Mo (%)	V (%)	Nb (%)	N (%)	CE _{eq} A6 (%)	Sn (%)
C (%)	0.08	0.010	0.031	0.27	0.30	0.12	0.09	0.045	0.001	0.008	0.0117	0.28	0.012

MECHANICAL PROPERTIES		UTS (PSI)	UTS (MPa)	YS 0.2% (PSI)	YS (MPa)
Elong. (%)	29.30	71400	492	58000	400
	29.10	71100	490	56500	390

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

Yan Wang
 YAN WANG
 QUALITY ASSURANCE MGR.
 Phone: (770) 387 5718 Email: yan.wang@gerdau.com