



CERTIFIED MATERIAL TEST REPORT

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

CUSTOMER SHIP TO GERDAU CORSA S A P I DE CV 02 715 KMB 1023 507 ZVP MONTERREY,NL 64290 Mexico		CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico		GRADE GGMULTI	SHAPE / SIZE Angle / 8X8X5/8	DOCUMENT ID: 0000067408
SALES ORDER 4578312/000030		CUSTOMER MATERIAL N°		LENGTH 40'00"	WEIGHT 15,696 LB	HEAT / BATCH 55048054/07
CUSTOMER PURCHASE ORDER NUMBER 4506774772			BILL OF LADING 1323-0000083947	DATE 28.01.2017	SPECIFICATION / DATE or REVISION ASTM A529-14, A572-15 ASTM A6-14,A36-14, ASME SA-36 ASTM A709-15, AASHTO M270-12 CSA G40.20-13/G40.21-13	

CHEMICAL COMPOSITION												
C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %	V %	Nb %	N %	Pb %
0.16	0.92	0.016	0.018	0.22	0.39	0.10	0.10	0.024	0.018	0.000	0.0100	0.0030

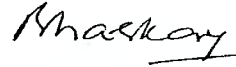
CHEMICAL COMPOSITION												
Sn %												
0.015												


MECHANICAL PROPERTIES						
Elong. %	G/L Inch	UTS PSI	UTS MPa	YS 0.2% PSI	YS MPa	
23.20	8.000	75500	521	54400	375	
23.20	8.000	75800	523	54200	374	

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 company. We certify that these data are correct and in compliance with specified requirements. This material, including the billets, was melted and manufactured in the USA. CMTR complies with EN 10204 3.1.


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