



CARTERSVILLE STEEL MILL
 384 OLD GRASSDALE RD NE
 CARTERSVILLE GA 30121 USA

Chemical and Physical Test Report

Made and Melted in USA

CUSTOMER: SIDERTUL SA DE CV

SHAPE + SIZE		GRADE		SPECIFICATION															SALES ORDER				CUST P.O. NUMBER						
A6 X 4 X 1/2		A36/44/572		ASTM A36-08, ASTM A572 GR50-07, CSA G40.21-04 44W, ASTM A709 GR50-10																									
HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	B	N	Sn	Al	Ti	Zn	C Eqv											
G113216	.16	1.03	.014	.030	.20	.31	.10	.07	.033	.017	.002	.0005	.0080	.012	.001	.00100	.00350	.42											

Mechanical Test: Yield 54800 PSI, 377.83 MPA Tensile: 75900 PSI, 523.31 MPA %El: 23.0/8in, 23.0/200MM

Customer Requirements CASTING: STRAND CAST

Mechanical Test: Yield 54500 PSI, 375.76 MPA Tensile: 75000 PSI, 517.11 MPA %El: 21.5/8in, 21.5/200MM

Customer Requirements CASTING: STRAND CAST

All manufacturing processes including melt and cast, occurred in USA. MTR complies with EN10204 3.1B

Bhaskar Yalamanchili
 Quality Director
 Gerdaul

THE ABOVE FIGURES ARE CERTIFIED CHEMICAL AND PHYSICAL TEST RECORDS AS CONTAINED IN THE PERMANENT RECORDS OF COMPANY.

Metallurgical Services Manager
 CARTERSVILLE STEEL MILL

Seller warrants that all material furnished shall comply with specifications subject to standard published manufacturing variations. NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY THE SELLER, AND SPECIFICALLY EXCLUDED ARE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. In no event shall seller be liable for indirect, consequential or punitive damages arising out of or related to the materials furnished by seller. Any claim for damages for materials that do not conform to specifications must be made from buyer to seller immediately after delivery of same in order to allow the seller the opportunity to inspect the material in question.