

Chemical and Physical Test Report Made and Melted In USA

G-179220

CARTERSVILLE STEEL MILL 384 OLD GRASSDALE RD NE CARTERSVILLE GA 30121 USA (770) 387-3300

SHIP TO TRANSPORTE DE GAS ROAN SA/SIDERTUL ZVP 16-603-717 ESCOBEDO, NL

INVOICE TO SIDERTUL SA DE CV RFC# SID930918KR0 AVENIDA PRESIDENTE MASARYK MEXICO CITY, DF 11570

SHIP DATE 07/08/11

CUST. ACCOUNT NO

60638017

PRODUCED IN: CARTERSVILLE

SHAPE + SIZE	GRAD	E	SPEC	SPECIFICATION														SAI	ES OR	DER	CUST P.O. NUMBER			
A6 X 4 X 3/8	A572 C	R50	ASTM	ASTM A36-08, ASTM A572 GR50-07,CSA G40.21-04 44W, ASTM A709 GR50-10														102	1021831-01 4			4500010930-01		
HEAT I.D.	С	Mn	Р	S	Si	Cu	Ni	Cr	Мо	V	Nb	В	N	Sn	Al	Ti	Ca	Zn	C Eqv					
G113228	.15	.93	.014	.030	.23	.28	.10	.06	.031	.017	.001	.0005	.0086	.011	.001	.00100	.00000	.00370	.38					

Mechanical Test:

Yield 52800 PSI, 364.04 MPA Tensile: 74900 PSI, 516.42 MPA %EI: 20.8/8in, 20.8/200MM

Customer Requirements CASTING: STRAND CAST

Mechanical Test:

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Yield 51600 PSI, 355.77 MPA Tensile: 72900 PSI, 502.63 MPA %EI: 22.0/8in, 22.0/200MM

Customer Requirements CASTING: STRAND CAST

Comment: NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

Customer Notes

NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.

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

Bhaskar Yalamanchili

Quality Director

Gerdau Ameristeel

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.