



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 3/8	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	Ca	Zn	C Eqv						
G111942	.14	.95	.010	.026	.19	.31	.08	.05	.024	.020	.001	.0004	.0092	.011	.001	.00100	.00050	.00370	.38						

Mechanical Test: Yield 53200 PSI, 366.8 MPA Tensile: 73000 PSI, 503.32 MPA %El: 24.9/8in, 24.9/200MM

Customer Requirements **CASTING: STRAND CAST**

Mechanical Test: Yield 54000 PSI, 372.32 MPA Tensile: 74300 PSI, 512.28 MPA %El: 25.1/8in, 25.1/200MM

Customer Requirements **CASTING: STRAND CAST**

SHAPE + SIZE	GRADE		SPECIFICATION																	SALES ORDER	CUST P.O. NUMBER				
A6 X 4 X 3/8	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	Ca	Zn	C Eqv						
G111943	.14	.91	.010	.026	.19	.29	.09	.05	.025	.018	.001	.0003	.0104	.011	.001	.00100	.00070	.00480	.36						

Mechanical Test: Yield 55000 PSI, 379.21 MPA Tensile: 74100 PSI, 510.9 MPA %El: 22.8/8in, 22.8/200MM

Customer Requirements **CASTING: STRAND CAST**

Mechanical Test: Yield 53800 PSI, 370.94 MPA Tensile: 74600 PSI, 514.35 MPA %El: 23.8/8in, 23.8/200MM

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
Gerdau

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.



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A6 X 4 X 3/8	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	Ca	Zn	C Eqv				
G111944	.15	.94	.011	.026	.21	.30	.08	.04	.027	.017	.002	.0005	.0099	.012	.001	.00100	.00180	.00370	.38				

Mechanical Test: Yield 53400 PSI, 368.18 MPA Tensile: 73500 PSI, 506.76 MPA %El: 23.8/8in, 23.8/200MM

Customer Requirements **CASTING: STRAND CAST**

Mechanical Test: Yield 54800 PSI, 377.83 MPA Tensile: 74800 PSI, 515.73 MPA %El: 23.3/8in, 23.3/200MM

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
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