

Bill To:  
 SIDERTUL SA DE CV  
 RFC# SID930918KR0  
 AVENIDA PRESIDENTE MASARYK  
 MEXICO CITY DF  
 11570 MX

Ship To: 7  
 SIDERTUL SA DE CV  
 402 GRAND CENTRAL BLVD  
 MILO DISTRIBUTION CENTER  
 LAREDO TX  
 78045 US

Order Date:06/17/2011  
 PO No:4500012651  
 Mill Order No:3899414  
 Load No:1399311  
 Manifest No:2093971

**CERTIFIED MATERIAL TEST REPORT**



GERDAU AMERISTEEL

GERDAU AMERISTEEL  
 Midlothian Mill  
 300 Ward Road  
 Midlothian, TX 76065  
 (972) 775-8241

SPECIFICATIONS	SIZE	GRADE	LENGTH	PRODUCT
ASTM A6-09, A992-06a, A572-07	W 16 X 31# / W410 X 46.1	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22608910

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.86	.016	.032	.21	.38	.09	.13	.027	.011	.001	.003	.016	.28

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>		<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result		%
58.0	399.9	72.2	497.8	0.410	2.65	24.2	8 In 200 mm			
59.7	411.6	73.8	508.8	0.399	2.57	23.5	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.8	1.24	.81	1.23

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

"I hereby certify that the contents of this report are correct and accurate. All tests and operations performed by this material manufacturer or its sub-contractors, when applicable, are in compliance with the requirements of the material specifications and applicable purchaser designated requirements."

Signed: Tom L. Harrington Date: Sep. 22, 2011  
 Tom L. Harrington: Quality Assurance Manager

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Notary Public (if applicable)

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300 Ward Road  
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(972) 775-8241

SPECIFICATIONS  
ASTM A6-09, A992-06a, A572-07

SIZE	GRADE	LENGTH	PRODUCT
W 16 X 31# / W410 X 46.1	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22608930

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.90	.018	.031	.20	.34	.19	.16	.045	.009	.003	.003	.017	.3

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>		<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
59.7	411.6	73.6	507.5	0.404	2.61	26.6	8 In	200 mm		
60.2	415.1	74.5	513.7	0.402	2.59	25.8	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.81	1.23	.81	1.24

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 Midlothian Mill  
 300 Ward Road  
 Midlothian, TX 76065  
 (972) 775-8241

SPECIFICATIONS      SIZE      GRADE      LENGTH      PRODUCT  
 ASTM A6-09, A992-06a, A572-07      W 16 X 31# / W410 X 46.1      992/572-50      40 FT / 12.192 M      WF BEAMS

HEAT NO: 22608970

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.92	.012	.032	.21	.28	.11	.13	.032	.008	.002	.003	.019	.28

PHYSICAL PROPERTIES

<u>Yield Strength</u>		<u>Tensile Strength</u>		<u>Specimen Area</u>		<u>Elongation</u>		<u>Bend Test</u>		<u>ROA</u>
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia.	Result	%
59.5	410.2	73.7	508.1	0.403	2.60	25.8	8 In 200 mm			
60.0	413.7	73.8	508.8	0.405	2.61	24.1	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.81	1.24	.81	1.23

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A. CMTR complies with EN 10204 3.1

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