

Bill To:
SIDERTUL SA DE CV
RFC# SID930918KRO
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:3899438
Load No:1394338
Manifest No:2091676

CERTIFIED MATERIAL TEST REPORT

 GERDAU AMERISTEEL

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

SPECIFICATIONS	SIZE W 21 X 68# / W530 X 101	GRADE 992/572-50	LENGTH 40 FT / 12.192 M	PRODUCT WF BEAMS
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ASTM A6-09, A992-06a, A572-07

HEAT NO: 22606030

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.06	.85	.015	.042	.23	.32	.12	.11	.038	.007	.001	.003	.016	.26

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	%
51.1	352.3	68.2	470.2	1.018	6.57	23.6	8 In 200 mm			
50.9	350.9	68.5	472.3	0.997	6.43	25.1	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.34	.74	1.35

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:  Date: Sep. 09, 2011
Tom L. Harrington: Quality Assurance Manager

Signed: _____ Date: _____
Notary Public (if applicable)

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CERTIFIED MATERIAL TEST REPORT



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 21 X 68# / W530 X 101 992/572-50 40 FT / 12.192 M WF BEAMS

HEAT NO: 22606040

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.87	.013	.039	.24	.32	.10	.15	.036	.007	.002	.005	.019	.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	%
55.4	382.0	72.3	498.5	1.005	6.48	24.2	8 In	200 mm		
54.2	373.7	70.4	485.4	0.990	6.39	24.9	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.74	1.35	.74	1.35	.77	1.31	.77	1.3

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

HEAT NO: 22606070

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.06	.85	.011	.039	.21	.27	.09	.11	.036	.006	.002	.003	.019	.26

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	%
50.8	350.3	68.1	469.5	0.988	6.37	22.8	8 In	200 mm		
52.6	362.7	69.0	475.7	1.011	6.52	23.5	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.75	1.34	.76	1.31

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SPECIFICATIONS SIZE GRADE LENGTH PRODUCT
ASTM A6-09, A992-06a, A572-07 W 21 X 68# / W530 X 101 992/572-50 40 FT / 12.192 M WF BEAMS

HEAT NO: 22606090

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.96	.017	.024	.24	.32	.11	.18	.045	.008	.002	.004	.020	.31

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	%
54.4	375.1	71.0	489.5	0.981	6.33	24.4	8 In	200 mm		
55.1	379.9	71.8	495.0	1.001	6.46	24.9	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.77	1.31	.77	1.3

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