

Bill To:
SIDERTUL SA DE CV
RFC# SID930918KRO
AVENIDA PRESIDENTE MASARYK
MEXICO CITY DF
11570 MX

Ship To: 5
SIDERTUL SA DE CV
402 GRAND CENTRAL BLVD
MILO DISTRIBUTION CENTER
LAREDO TX
78045 US

Order Date:02/03/2011
PO No:4500000570
Mill Order No:3855533
Load No:1370382
Manifest No:2066939

CERTIFIED MATERIAL TEST REPORT

 **GERDAU AMERISTEEL**

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

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

SIZE	GRADE	LENGTH	PRODUCT
W 21 X 93# / W530 X 138	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 11923520

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.06	.89	.010	.028	.31	.25	.07	.10	.025	.008	.002	.002	.020	.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	%	
51.5	355.1	69.6	479.9	1.380	8.90	25.1	8 In 200 mm			
53.5	368.9	70.3	484.7	1.380	8.90	25.2	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS YLD/TENS
.74 .76

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: Apr. 19, 2011
Tom L. Harrington: Quality Assurance Manager

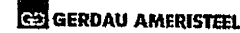
Signed: _____ Date: _____
Notary Public (if applicable)

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



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

SIZE W 21 X 93# / W530 X 138
GRADE 992/572-50
LENGTH 40 FT / 12.192 M

PRODUCT
WF BEAMS

HEAT NO: 11923540

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.97	.011	.026	.21	.20	.07	.10	.024	.005	.002	.003	.017	.27

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	%
52.2	359.9	70.4	485.4	1.351	8.72	25.8	8 In 200 mm		
52.8	364.0	69.6	479.9	1.368	8.83	26.6	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS YLD/TENS
.74 .76

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Date: _____

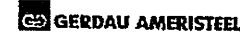
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 Midlothian Mill
 300 Ward Road
 Midlothian, TX 76065
 (972)775-8241



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

SIZE: W 21 X 93# / W530 X 138
 GRADE: 992/572-50
 LENGTH: 40 FT / 12.192 M

PRODUCT
 WF BEAMS

HEAT NO: 22588500

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.90	.020	.026	.25	.36	.09	.14	.028	.011	.002	.003	.022	.29

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	%
56.5	389.6	73.6	507.5	1.374	8.86	26.5	8 In 200 mm		
56.9	392.3	73.5	506.8	1.369	8.83	24.6	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS
 .77

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 Mill Order No:3855533
 Load No:1370382
 Manifest No:2066939

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



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

SIZE	GRADE	LENGTH	PRODUCT
W 21 X 93# / W530 X 138	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 1192193M

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	1.02	.016	.032	.24	.34	.09	.11	.029	.010	.002	.002	.022	.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	%
57.3	395.1	75.3	519.2	1.381	8.91	25.1	8 In 200 mm		
56.7	390.9	76.0	524.0	1.368	8.83	26.5	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	YLD/TENS
.75	.76

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LAREDO TX
78045 US

Order Date: 02/03/2011
PO No: 4500000570
Mill Order No: 3855533
Load No: 1370382
Manifest No: 2066939

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

SPECIFICATIONS

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

SIZE: W 21 X 93# / W530 X 138
GRADE: 992/572-50

LENGTH: 40 FT / 12.192 M

PRODUCT: WF BEAMS

HEAT NO: 2258853M

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.89	.014	.033	.20	.33	.09	.12	.031	.010	.002	.003	.019	.28

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation		Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Length	Dia. Result	%
54.4	375.1	70.3	484.7	1.377	8.88	24.6	8 In 200 mm		
53.3	367.5	70.2	484.0	1.370	8.84	25.1	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS YLD/TENS
.76 .77

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