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

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

GE GERDAU AMERISTEEL

GERDAU AMERISTEEL Midlothian Mill 300 Ward Road Midlothian, TX 76065

(972)775-8241

SIZE

MΧ

101

US

LENGTH 40 FT / 12.192 M PRODUCT WF BEAMS

CERTIFIED MATERIAL TEST REPORT

SPECIFICATIONS

11570

W 21 X 68# / W530 X 101

992/572-50

GRADE

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

HEAT NO: 22606030 CHEMICAL ANALYSIS

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

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation_			Bend Test	ROA		
KSI	MPa	KSI	MPa	Sq In	Sq cm	8	Gage Lei	ngth	Dia. Result	8		
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:

Notary Public (if applicable)

Date:\_\_\_\_

Tom L. Harrington: Quality Assurance Manager

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Page: 1 of 4

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

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

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

11570

W 21 X 68# / W530 X 101

GRADE 992/572-50

US

LENGTH 40 FT / 12.192 M PRODUCT WF BEAMS

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

HEAT NO: 22606040

SIZE

78045

MX

C Mn Ρ S Si Cu Νi  $\operatorname{\mathtt{Cr}}$ Mo Sn V Al Nb CE .24 .09 .87 .013 .039 .32 .15 .10 .036 .007 .002 .005 .019 . 3

PHYSICAL PROPERTIES

CHEMICAL ANALYSIS

Yield Strength		Tensile Strength		Specimen Area		Elongation_			Bend Test	RO
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Lei	ngth	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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Page: 2 of

Bill To: Ship To: 7 CERTIFIED MATERIAL TEST REPORT Order Date:06/17/2011 SIDERTUL SA DE CV SIDERTUL SA DE CV PO No:4500012651 GERDAU AMERISTEEL RFC# SID930918KR0 402 GRAND CENTRAL BLVD Mill Order No:3899438 Midlothian Mill AVENIDA PRESIDENTE MASARYK GERDAU AMERISTEEL MILO DISTRIBUTION CENTER Load No:1394338 300 Ward Road MEXICO CITY DF LAREDO TXManifest No:2091676 Midlothian, TX 76065 11570 MX 78045 US (972)775-8241 SIZE GRADE LENGTH PRODUCT W 21 X 68# / W530 X 101 992/572-50 40 FT / 12.192 M SPECIFICATIONS WF BEAMS ASTM A6-09, A992-06a, A572-07 HEAT NO: 22606070 CHEMICAL ANALYSIS C Mn Ρ S Si Cu Νi Cr Мо Sn V Al Nb CE .06 .85 .011 .039 .21 .27 .09 .11 .036 .006 .002 .003 .019 .26 PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Lengt	h	Dia. Result	<u>1(011</u> %
50.8	350.3	68.1	469.5	0.988	6.37	22.8	8 In 2	00 mm		•
52.6	362.7	69.0	475.7	1.011	6.52	23.5	8 Tn 2	OO mm		

TENSILE TEST RATIOS

YLD/TENS TENS/YLD YLD/TENS TENS/YLD

.75 1.34 .76 1.31

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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Tom L. Harrington: Quality Assurance Manager Signed: Date: Notary Public (if applicable) Page: 3 of

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

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

GERDAU AMERISTEEL

GERDAU AMERISTEEL Midlothian Mill 300 Ward Road

Midlothian, TX 76065 (972)775-8241

SIZE

DF

MX

W 21 X 68# / W530 X 101

992/572-50

GRADE

LENGTH 40 FT / 12.192 M PRODUCT WF BEAMS

CERTIFIED MATERIAL TEST REPORT

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

HEAT NO: 22606090

SPECIFICATIONS

11570

CHEMICAL ANALYSIS Ρ S Si

C . Mn Cu Νi CrMo Sn V Al Nb CE .08 .96 .017 .024 .24 .32 .11 .18 .045 .008 .002 .004 .020 .31

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Ler	ngth	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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Signed: Date: Tom L. Harrington: Quality Assurance Manager Notary Public (if applicable)

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