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

MEXICO CITY

SPECIFICATIONS

11570

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

Order Date:06/17/2011 PO No:4500012651 Mill Order No:3899439

CERTIFIED MATERIAL TEST REPORT

GERDAU AMERISTEEL Midlothian Mill

GERDAU AMERISTEEL

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

SIZE

DF

MX

78045 US Manifest No:2090345

Load No:1393005

GRADE LENGTH PRODUCT W 24 X 62# / W610 X 92 992/572-50 40 FT / 12.192 M WF BEAMS

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

HEAT NO: 22605330 CHEMICAL ANALYSIS

C S Ρ Si Cu Νi Mo Al Cr Sn Nb CE .07 .85 .011 .038 .23 .31 .10 .13 .037 .011 .002 .004 .022 .27

TX

PHYSICAL PROPERTIES

Yield Strength		Tensile Strength		Specimen Area		Elongation_		Bend Test	ROA	
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Ler	igth	Dia. Result	%
55.0	379.2	70.9	488.8	0.875	5.65	25.2	8 In	200 mm		
55.3	381.3	72.0	496.4	0.868	5.60	25.8	8 In	200 mm		

TENSILE TEST RATIOS

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

.78 1.29 .77 1.3

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."

Date: Aug. 30, 2011 Signed: Date: Tom L. Harrington: Quality Assurance Manager Notary Public (if applicable)

Page: 3 of 5 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 TΧ

Order Date:06/17/2011 PO No:4500012651 Mill Order No:3899439 Load No:1393005

Manifest No:2090345

GERDAU AMERISTEEL

CE

GERDAU AMERISTEEL Midlothian Mill 300 Ward Road

ROA

왕

Midlothian, TX 76065 (972)775-8241

SIZE

MX

.043

W 24 X 62# / W610 X 92

.31

78045

.21

GRADE 992/572-50

US

LENGTH 40 FT / 12.192 M PRODUCT WF BEAMS

Bend Test

Dia. Result

CERTIFIED MATERIAL TEST REPORT

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

.91

HEAT NO: 22605380

SPECIFICATIONS

.05

11570

C P S Mn Si Cu Νi

 Cr Mo .12 .031 .007

V Al Nb .001 .002 .020 .26

PHYSICAL PROPERTIES

CHEMICAL ANALYSIS

Sn

Yield Strength		Tensile Strength		Specime	en Area	Elongation		
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Ler	ıgth
53.8	370.9	70.7	487.5	0.892	5.75	25.1	8 In	200 mm
53.8	370.9	69.9	481.9	0.880	5.68	24.7	8 In	200 mm

.08

TENSILE TEST RATIOS

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

.011

.76 1.31 .77 1.3

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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Signed: Janu _ / Same Date: Aug. 30, 2011

Signed:

Notary Public (if applicable)

Date:

4 of

5

Tom L. Harrington: Quality Assurance Manager

Page:

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:3899439 Load No:1393005 Manifest No:2090345

GERDAU AMERISTEEL

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

SIZE

MΧ

.034

GRADE W 24 X 62# / W610 X 92 992/572-50

.09

.31

LENGTH 40 FT / 12.192 M

PRODUCT WF BEAMS

CERTIFIED MATERIAL TEST REPORT

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

.89

HEAT NO: 22605390

SPECIFICATIONS

.05

11570

CHEMICAL ANALYSIS C Mn Ρ S Si Cu Νi $\operatorname{\mathtt{Cr}}$ Мо

.23

78045

V AlNb CE .002 .003 .021 .26

PHYSICAL PROPERTIES

Sn

.007

Yield Strength		Tensile Strength		Specimen Area		Elongation_			Bend Test	ROA
KSI	MPa	KSI	MPa	Sq In	Sq cm	%	Gage Ler	ngth	Dia. Result	%
54.1	373.0	70.0	482.6	0.889	5.74	24.8	8 In	200 mm		
56.0	386.1	70.1	483.3	0.860	5.55	25.3	8 In	200 mm		

.031

US

.16

TENSILE TEST RATIOS

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

.020

.77 1.3 . 8 1.25

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Tom L. Harrington: Quality Assurance Manager Signed:

Notary Public (if applicable)

Date: