

Bill To:
 GERDAU CORSA S A P I DE CV
 KM 3 CARRETERA MEXICO-
 ID SAHAGUN S/N
 SAHAGUN
 13990

HG
 MX

Ship To: 2
 GERDAU CORSA S A P I DE CV
 402 GRAND CENTRAL BLVD
 MILO DISTRIBUTION CENTER
 LAREDO TX
 78045 US

Order Date: 12/19/2011
 PO No: 4500090955
 Mill Order No: 3975960
 Load No: 1422046
 Manifest No: 2116378

CERTIFIED MATERIAL TEST REPORT

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 50# / W530 X 74	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22628670

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.91	.016	.039	.26	.32	.09	.15	.030	.007	.002	.004	.018	.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	%
55.3	381.3	73.9	509.5	0.804	5.19	25.8	8 In 200 mm			
54.6	376.5	73.7	508.1	0.801	5.17	25.0	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. MTR 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: Jan. 31, 2012
 Tom L. Harrington: Quality Assurance Manager

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

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 300 Ward Road
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SPECIFICATIONS
 ASTM A6-09, A992-06a, A572-07

SIZE	GRADE	LENGTH
W 21 X 50# / W530 X 74	992/572-50	40 FT / 12.192 M

PRODUCT
 WF BEAMS

HEAT NO: 22628690

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.90	.012	.030	.28	.35	.09	.14	.036	.009	.003	.003	.022	.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		%
55.7	384.0	73.7	508.1	0.801	5.17	25.2	8 In 200 mm			
54.6	376.5	73.4	506.1	0.796	5.14	24.9	8 In 200 mm			

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.76	1.32	.74	1.34

All manufacturing processes of this product, including electric arc MELTING and continuous CASTING, occurred in the U.S.A.
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