

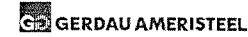
Bill To:
GERDAU CORSA S A P I DE CV
KM 3 CARRETERA MEXICO-
CD SAHAGUN S/N
SAHAGUN
43990

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:02/10/2012
PO No:4500115680
Mill Order No:4002542
Load No:1432596
Manifest No:2125519

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
W 21 X 44# / W530 X 66	992/572-50	40 FT / 12.192 M

PRODUCT
WF BEAMS

HEAT NO: 22638800

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.92	.018	.019	.25	.29	.08	.13	.028	.008	.002	.003	.019	.28

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	%
56.7	390.9	72.5	499.9	0.674	4.35	24.6	8 In 200 mm		
58.3	402.0	73.9	509.5	0.663	4.28	25.1	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.78	1.28	.79	1.27

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: Tom L. Harrington Date: Mar. 15, 2012
Tom L. Harrington: Quality Assurance Manager

Signed: _____ Date: _____
Notary Public (if applicable)
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SPECIFICATIONS
ASTM A6-09, A992-06a, A572-07

SIZE	GRADE	LENGTH	PRODUCT
W 21 X 44# / W530 X 66	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22638810

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	.89	.024	.030	.23	.29	.09	.15	.028	.009	.002	.004	.017	.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	73.1	504.0	0.680	4.39	24.7	8 In 200 mm		
56.4	388.9	73.5	506.8	0.668	4.31	25.1	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.76	1.31	.77	1.3

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