

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:12/19/2011
PO No:4500090955
Mill Order No:3975952
Load No:1427025
Manifest No:2120824

CERTIFIED MATERIAL TEST REPORT

GERDAU AMERISTEEL
Petersburg Mill
GERDAU AMERISTEEL 25801 Hofheimer Way
Petersburg, VA 23803
(804)524-2855

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

SIZE	GRADE	LENGTH	PRODUCT
W 18 X 76# / W460 X 113	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 30572790

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	1.09	.012	.031	.21	.27	.11	.13	.024	.014	.001	.003	.018	.32

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	%
52.9	364.7	69.6	479.9	1.010	6.52	27.9	8 In	200 mm		
52.4	361.3	69.2	477.1	1.007	6.50	31.5	8 In	200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.76	1.32	.76	1.32

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: Feb. 22, 2012
Tom L. Harrington: Quality Assurance Manager

Signed: _____
Notary Public (if applicable)

Date: _____
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Bill To:
 GERDAU CORSA S A P I DE CV
 KM 3 CARRETERA MEXICO-
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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: 3975952
 Load No: 1426555
 Manifest No: 2120526

CERTIFIED MATERIAL TEST REPORT

GERDAU AMERISTEEL
 Petersburg Mill
 25801 Hofheimer Way
 Petersburg, VA 23803
 (804) 524-2855

SPECIFICATIONS SIZE GRADE LENGTH PRODUCT
 ASTM A6-09, A992-06a, A572-07 W 18 X 76# / W460 X 113 992/572-50 40 FT / 12.192 M WF BEAMS

HEAT NO: 30562900

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.09	1.21	.011	.030	.24	.33	.13	.12	.023	.016	.000	.002	.019	.35

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	%
59.8	412.3	70.5	486.1	1.039	6.70	25.1	8 In 200 mm		
63.3	436.4	76.7	528.8	1.032	6.66	27.4	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS	TENS/YLD	YLD/TENS	TENS/YLD
.85	1.18	.82	1.21

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: Feb. 21, 2012
 Tom L. Harrington: Quality Assurance Manager

Signed: _____
 Notary Public (if applicable)

Date: _____
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