

Bill To:
 ACEROMEX GRUPO INDUSTRIAL SA
 CONSTITUYENTES DE NUEVO LEON
 103 NTE COL. LINDA VISTA
 GUADALUPE NL
 CP 67130 MX

Ship To: 3
 ACEROMEX GRUPO INDUSTRIAL SA
 EL INDIO HWY Y MEMO ROBINSON
 EAGLE PASS TX
 78852 US

Order Date: 02/14/2012
 PO No: 4500063820
 Mill Order No: 4003598
 Load No: 1432572
 Manifest No: 2125503

CERTIFIED MATERIAL TEST REPORT



GERDAU
 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 68# / W530 X 101	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22638220

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.07	.91	.019	.032	.25	.40	.13	.16	.037	.011	.002	.004	.021	.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	%
54.9	378.5	71.9	495.7	1.052	6.79	26.5	8 In 200 mm		
53.8	370.9	71.1	490.2	1.048	6.76	26.5	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS

.76

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. 14, 2012
 Tom L. Harrington: Quality Assurance Manager

Signed: _____
 Notary Public (if applicable)

Date: _____

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CERTIFIED MATERIAL TEST REPORT



GERDAU
 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 68# / W530 X 101	992/572-50	40 FT / 12.192 M	WF BEAMS

HEAT NO: 22638230

CHEMICAL ANALYSIS

C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	V	Al	Nb	CE
.08	.97	.017	.018	.24	.33	.10	.13	.034	.011	.002	.004	.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	%
55.9	385.4	74.3	512.3	1.053	6.79	26.1	8 In 200 mm		
54.3	374.4	73.7	508.1	1.061	6.85	27.0	8 In 200 mm		

TENSILE TEST RATIOS

YLD/TENS YLD/TENS

.74 .75

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