

Bill To:
SIDERTUL SA DE CV
RFC# SID930918KRO
AVENIDA PRESIDENTE MASARYK
MEXICO CITY DF
11570 MX

Ship To: 7
SIDERTUL SA DE CV
402 GRAND CENTRAL BLVD
MILO DISTRIBUTION CENTER
LAREDO TX
78045 US

Order Date:06/17/2011
PO No:4500012651
Mill Order No:3899414
Load No:1398026
Manifest No:2094650

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 16 X 31# / W410 X 46.1 | 992/572-50 | 40 FT / 12.192 M | WF BEAMS |

HEAT NO: 22608950

CHEMICAL ANALYSIS

| | | | | | | | | | | | | | |
|-----|-----|------|------|-----|-----|-----|-----|------|------|------|------|------|-----|
| C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | V | Al | Nb | CE |
| .06 | .88 | .016 | .019 | .22 | .34 | .13 | .16 | .040 | .009 | .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 | % |
| 61.0 | 420.6 | 74.4 | 513.0 | 0.408 | 2.63 | 26.6 | 8 In | 200 mm | | |
| 62.1 | 428.2 | 76.5 | 527.4 | 0.394 | 2.54 | 26.1 | 8 In | 200 mm | | |

TENSILE TEST RATIOS

| | | | |
|----------|----------|----------|----------|
| YLD/TENS | TENS/YLD | YLD/TENS | TENS/YLD |
| .82 | 1.22 | .81 | 1.23 |

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: Sep. 27, 2011
Tom L. Harrington: Quality Assurance Manager

Signed: _____
Notary Public (if applicable)

Date: _____
Page: 1 of 2

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

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

| | | | |
|--------------------------|------------|------------------|----------|
| SIZE | GRADE | LENGTH | PRODUCT |
| W 16 X 31# / W410 X 46.1 | 992/572-50 | 40 FT / 12.192 M | WF BEAMS |

HEAT NO: 22608970

CHEMICAL ANALYSIS

| | | | | | | | | | | | | | |
|-----|-----|------|------|-----|-----|-----|-----|------|------|------|------|------|-----|
| C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | V | Al | Nb | CE |
| .07 | .92 | .012 | .032 | .21 | .28 | .11 | .13 | .032 | .008 | .002 | .003 | .019 | .28 |

PHYSICAL PROPERTIES

| Yield Strength | | Tensile Strength | | Specimen Area | | Elongation | | | Bend Test | ROA |
|----------------|-------|------------------|-------|---------------|-------|------------|-------------|--------|-------------|-----|
| KSI | MPa | KSI | MPa | Sq In | Sq cm | % | Gage Length | | Dia. Result | % |
| 59.5 | 410.2 | 73.7 | 508.1 | 0.403 | 2.60 | 25.8 | 8 In | 200 mm | | |
| 60.0 | 413.7 | 73.8 | 508.8 | 0.405 | 2.61 | 24.1 | 8 In | 200 mm | | |

TENSILE TEST RATIOS

| | | | |
|----------|----------|----------|----------|
| YLD/TENS | TENS/YLD | YLD/TENS | TENS/YLD |
| .81 | 1.24 | .81 | 1.23 |

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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