



US-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

CERTIFICADO DE CALIDAD

| | | | | | | |
|--|-----------------------------------|---|--|---------------------|--|----------------------------|
| CUSTOMER SHIP TO TRANSPORTE DE GAS ROAN SA ZVP 16 603 717 GENERAL ESCOBEDO,NL 66052 Mexico | | CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico | | GRADE 992/572-50 | SHAPE / SIZE WFBEAM SHAPE 1 / 6 X 8.5# / 150 X 12.7 | |
| SALES ORDER 87463/000010 | | SPECIFICATION / DATE of REVISION A572/A572M-07 A992/A992M-11 ASTM A6/A6M-11 | | LENGTH 40'00" | WEIGHT 99,280 LB | HEAT / BATCH 5905188302 |
| CUSTOMER PURCHASE ORDER NUMBER 4500175835 | BILL OF LADING 1327-0000018459 | DATE 20.08.2012 | | | | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | |
|----------------------|---------|--------|--------|---------|---------|---------|---------|---------|---------|--------|---------|---------|
| C % | Mn % | P % | S % | Si % | Cr % | Ni % | Cr % | Mo % | Sn % | V % | Nb % | Al % |
| 0.07 | 0.86 | 0.012 | 0.030 | 0.25 | 0.39 | 0.10 | 0.13 | 0.029 | 0.007 | 0.002 | 0.019 | 0.004 |

| CHEMICAL COMPOSITION | |
|--------------------------|--|
| CE _{eq} A6 % | |
| 0.3 | |

| MECHANICAL PROPERTIES | | | | | | |
|-----------------------|------------|-----------|------------|-------------|-----------|--|
| YS KSI | UTS KSI | YS MPa | UTS MPa | G/L inch | G/L mm | |
| 61.4 | 75.4 | 420 | 517 | 8.000 | 200.0 | |
| 60.9 | 74.9 | 423 | 520 | 8.000 | 200.0 | |

| MECHANICAL PROPERTIES | | |
|-----------------------|----------------|--|
| Elong. % | Y/T ratio % | |
| 22.70 | 0.813 | |
| 23.50 | 0.814 | |

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. We certify that these data are correct and in compliance with specified requirements. CMTR complies with EN 10204 3.1.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Tom Harrington
TOM HARRINGTON
QUALITY ASSURANCE MGR.