



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

CERTIFIED MATERIAL TEST REPORT

| | | | | | | |
|---|--|---|--|----------------------------|---|------------------------------------|
| CUSTOMER SHIP TO GERDAU CORSA S A P I DE CV 02 715 KMB 1023 507 ZVP MONTERREY, NL 64290 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 Wide Flange Beam / 16 X 31# / 410 X 46.1 | |
| SALES ORDER 570153/000330 | | CUSTOMER MATERIAL N° | | LENGTH 40'00" | WEIGHT 76,880 LB | HEAT / BATCH 59058311/05 |
| CUSTOMER PURCHASE ORDER NUMBER 4501200708 | | | BILL OF LADING 1327-0000081987 | DATE 14.11.2013 | SPECIFICATION / DATE or REVISION A572/A572M-07 A992/A992M-11 ASTM A6/A6M-11 | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | |
|----------------------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| C % | Mn % | P % | S % | Si % | Cu % | Ni % | Cr % | Mo % | Sn % | V % | Nb % | Al % |
| 0.09 | 0.84 | 0.017 | 0.027 | 0.23 | 0.39 | 0.15 | 0.19 | 0.034 | 0.012 | 0.002 | 0.021 | 0.003 |

| CHEMICAL COMPOSITION | |
|----------------------|--|
| CEqyA6 % | |
| 0.3 | |

| MECHANICAL PROPERTIES | | | | | | |
|-----------------------|---------|--------|---------|----------|--------|--|
| YS KSI | UTS KSI | YS MPa | UTS MPa | G/L Inch | G/L mm | |
| 60.0 | 74.0 | 419 | 513 | 8.000 | 200.0 | |
| 60.7 | 74.3 | 413 | 510 | 8.000 | 200.0 | |

| MECHANICAL PROPERTIES | | |
|-----------------------|------------|--|
| Elong % | Y/T rati % | |
| 24.50 | 0.817 | |
| 24.20 | 0.811 | |

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. CMTR complies with EN 10204 3.1.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Tom Harrington
TOM HARRINGTON
QUALITY ASSURANCE MGR.