



CERTIFIED MATERIAL TEST REPORT

US-ML-PETERSBURG
25801 HOFHEIMER WAY
PETERSBURG, VA 23803-8905
USA

| | | | | | | |
|---|--|---|-----------------------------------|-----------------------|---|-----------------------------|
| CUSTOMER SHIP TO GERDAU CORSA SAPI SA DE CV 16 603 717 ZVP GENERAL ESCOBEDO,NL 64000 Mexico | | CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico | | GRADE A992/A572-50 | SHAPE / SIZE Wide Flange Beam / 27 X 94# / 690 X 140 | DOCUMENT ID: 0000010351 |
| SALES ORDER 3321158/000070 | | CUSTOMER MATERIAL N° | | LENGTH 40'00" | WEIGHT 15,040 LB | HEAT / BATCH 60115827/04 |
| CUSTOMER PURCHASE ORDER NUMBER 4505199060 | | | BILL OF LADING 1330-0000068382 | DATE 11.05.2016 | SPECIFICATION / DATE or REVISION ASTM A6-14 ASTM A709-13A ASTM A992-11, A572-15 CSA G40.21-13 345WM | |

| C | Mn | P | S | Si | Cu | Ni | Cr | Mo | Sn | V | Nb | Al |
|------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| 0.09 | 1.18 | 0.018 | 0.029 | 0.21 | 0.36 | 0.16 | 0.11 | 0.040 | 0.022 | 0.001 | 0.017 | 0.002 |

| CeqvA6 |
|--------|
| 0.35 |

| YS, 0.2% | UTS | YS | UTS | Y/T ratio | G/L |
|----------|-------|-----|-----|-----------|-------|
| PSI | PSI | MPa | MPa | % | Inch |
| 61400 | 77640 | 423 | 535 | 0.791 | 8.000 |
| 59860 | 75890 | 413 | 523 | 0.789 | 8.000 |

| G/L | Elong. |
|-------|--------|
| mm | % |
| 200.0 | 25.90 |
| 200.0 | 27.30 |

COMMENTS / NOTES

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

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Alice L. Pitchford
ALICE PITCHFORD
QUALITY ASSURANCE MGR.