



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

CERTIFIED MATERIAL TEST REPORT

| | | | | | | |
|---|--|---|----------------------------------|---------------------|--|-----------------------------|
| CUSTOMER SHIP TO GERDAU CORSA S A P I DE CV EX RENAULT ESTACION HB22 8385 CIUDAD DE FRAY BERNARDINO,HGO 43990 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 / 27 X 84# / 690 X 125 | |
| SALES ORDER 377141/000190 | | CUSTOMER MATERIAL N° | | LENGTH 40'00" | WEIGHT 20,160 LB | HEAT / BATCH 60110442/02 |
| CUSTOMER PURCHASE ORDER NUMBER 4500737833 | | | BILL OF LADING 1330-000022189 | DATE 01.07.2013 | SPECIFICATION / DATE or REVISION A572/A572M-07 A992/A992M-11 ASTM A6/AGM-11 | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | |
|----------------------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|
| C | Mn | P | S | SI | Cu | Ni | Cr | Mo | Sp | V | Nb | Al |
| % | % | % | % | % | % | % | % | % | % | % | % | % |
| 0.10 | 1.19 | 0.018 | 0.026 | 0.21 | 0.30 | 0.11 | 0.16 | 0.022 | 0.019 | 0.003 | 0.019 | 0.003 |

| CHEMICAL COMPOSITION |
|----------------------|
| CE _{eq} A6 |
| % |
| 0.4 |

| MECHANICAL PROPERTIES | | | | | | |
|-----------------------|------|-----|-----|-------|-------|--|
| YS | UTS | YS | UTS | G/L | G/L | |
| KSI | KSI | MPa | MPa | Inch | mm | |
| 56.1 | 72.0 | 387 | 496 | 8.000 | 200.0 | |
| 56.0 | 71.7 | 386 | 494 | 8.000 | 200.0 | |

| MECHANICAL PROPERTIES | |
|-----------------------|----------|
| Elong. | Y/T rati |
| % | % |
| 26.00 | 0.779 |
| 24.40 | 0.781 |

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.

Maskar
BEASKAR YALAMANCHILI
QUALITY DIRECTOR

Wade A. Li
WADE LUMPKINS
QUALITY ASSURANCE MGR.