



CERTIFIED MATERIAL TEST REPORT

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

|  |  |   |  |                     |  |
|--|--|---|--|---------------------|--|
| CUSTOMER SHIP TO<br>SOPORTE LOGISTICO EN DISTRIBUCION<br>02 715 KMB 1023 507 ZVP<br>MONTERREY,NL 64290<br>Mexico |  | CUSTOMER BILL TO<br>GERDAU CORSA S A P I DE CV<br>CARRETERA MEXICO CD SAHAGUN<br>SN<br>CD SAHAGUN,HGO 43990<br>Mexico |  | GRADE<br>992/572-50 | SHAPE / SIZE<br>Wide Flange Beam / 21 X 101# / 530 X 150 |
| SALES ORDER<br>272725/000060   |  | LENGTH<br>40'00"  |  | WEIGHT<br>12,120 LB | HEAT / BATCH<br>60102910/03                              |
| CUSTOMER PURCHASE ORDER NUMBER<br>4500517406   |  | BILL OF LADING<br>1330-0000018715   |  | DATE<br>29.04.2013  |  |
| SPECIFICATION / DATE or REVISION<br>A572/A572M-07<br>A992/A992M-11<br>ASTM A6/A6M-11                             |  |   |  |                     |  |

| CHEMICAL COMPOSITION |      |       |       |      |      |      |      |       |       |       |       |       |  |
|----------------------|------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|--|
| C %                  | Mn % | P %   | S %   | Si % | Cu % | NI % | Cr % | Mo %  | Su %  | V %   | Nb %  | Al %  |  |
| 0.09                 | 1.15 | 0.011 | 0.025 | 0.25 | 0.27 | 0.11 | 0.07 | 0.029 | 0.014 | 0.001 | 0.018 | 0.003 |  |

| CHEMICAL COMPOSITION |  |
|----------------------|--|
| C <sub>EqvA6</sub> % |  |
| 0.3                  |  |

| MECHANICAL PROPERTIES |         |        |         |          |        |  |
|-----------------------|---------|--------|---------|----------|--------|--|
| YS KSI                | UTS KSI | YS MPa | UTS MPa | G/L Inch | G/L mm |  |
| 54.2                  | 72.3    | 374    | 499     | 8.000    | 200.0  |  |
| 54.1                  | 71.6    | 373    | 494     | 8.000    | 200.0  |  |

| MECHANICAL PROPERTIES |             |  |
|-----------------------|-------------|--|
| Elong. %              | Y/T ratio % |  |
| 24.30                 | 0.750       |  |
| 25.60                 | 0.756       |  |

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

*Wade A. Lumpkins*  
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