

CERTIFIED MATERIAL TEST REPORT



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

| | | | | | | |
|--|--|---|--|--|--|----------------------------|
| ST 4730 | | 5-1688 | | GRADE A992/A572-50 | SHAPE / SIZE Wide Flange Beam / 12 X 65# / 310 X 97 | DOCUMENT ID: 0000457930 |
| USA | | | | LENGTH 20'00" | PCS 4 | WEIGHT 5,200 LB |
| SALES ORDER 12956968/000010 | | CUSTOMER MATERIAL N° 00000003712650020 | | SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W | | |
| CUSTOMER PURCHASE ORDER NUMBER 4500551339 | | BILL OF LADING 1330-0000198957 | | DATE 06/19/2023 | | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | | |
|----------------------|--------|-------|-------|--------|--------|--------|--------|-------|--------|-------|--------|--------|------------|
| C (%) | Mn (%) | P (%) | S (%) | Si (%) | Cu (%) | Ni (%) | Cr (%) | Mo(%) | Sn (%) | V (%) | Nb (%) | Al (%) | CEqvA6 (%) |
| 0.10 | 1.13 | 0.008 | 0.037 | 0.21 | 0.36 | 0.18 | 0.16 | 0.040 | 0.026 | 0.002 | 0.017 | 0.003 | 0.36 |

| MECHANICAL PROPERTIES | | | | | | | | | |
|-----------------------|-----------|----------|-----------|--------------|--------------|----------|------------|--|--|
| YS 0.2% (PSI) | UTS (PSI) | YS (MPa) | UTS (MPa) | Y/T rati (%) | G/L (Inches) | G/L (mm) | Elong. (%) | | |
| 53082 | 70364 | 366 | 485 | 0.750 | 8.000 | 200.0 | 27.50 | | |
| 52535 | 69543 | 362 | 480 | 0.760 | 8.000 | 200.0 | 22.90 | | |

COMMENTS / NOTES

Gerdaul's steel is 100% recyclable. Support the circular economy through our Metals Recycling Partnership. For details, visit www2.gerdau.com/metals-recycling, or contact metalsrecycling@gerdau.com.

The above figures are certified chemical and physical test records as contained in the permanent records of the company. We certify that these data are correct and in compliance with specified requirements. No weld repair was performed on this material. The material has not been in contact with mercury while in Gerdaul possession. For all products other than billets or beam blanks, this material was produced (Electric Arc Furnace, Melted, Continuously Cast, Hot Rolled and, if applicable, Cold-Drawn) in the USA. For billets or beam blanks, this material was produced (Electric Arc Furnace, Melted and Continuously Cast) in the USA. CMTR complies with EN 10204 3.1.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR
Phone: (409) 267-1071 Email: Bhaskar.Yalamanchili@gerdau.com

Alice L. Pitchford
ALICE PITCHFORD
QUALITY ASSURANCE MGR.
Phone: (804) 524-2851 Email: Alice.pitchford@gerdau.com