



U.S.-ML-MIDLOTHIAN
300 WARD ROAD
MIDLOTHIAN, TX 76065
USA

CERTIFIED MATERIAL TEST REPORT

| | | | | | | | |
|--|--|---|--|-----------------------|--|--|-----------------------------|
| CUSTOMER SHIP TO LONGVIEW, TX 75604-4817 USA | | CUSTOMER BILL TO MANHATTAN, KS 66505-1688 USA | | GRADE A992/A572-50 | SHAPE / SIZE Wide Flange Beam 12 X 50# / 310 X 74 | DOCUMENT ID: 0001034150 | |
| SALES ORDER 13567700/000020 | | CUSTOMER MATERIAL N° 00000003712500060 | | LENGTH 60'00" | PCS 2 | WEIGHT 6,000 LB | HEAT / BATCH 60145126/09 |
| CUSTOMER PURCHASE ORDER NUMBER 4500564104 | | BILL OF LADING 1327-0000557986 | | DATE 12/06/2023 | | SPECIFICATION / DATE or REVISION ASTM A6-17 ASTM A709-21 GR50 ASTM A992-20, A572-21 CSA G40.21-13 345WM, 50W | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | | |
|----------------------|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|------------|
| C (%) | Mn (%) | P (%) | S (%) | Si (%) | Cu (%) | Ni (%) | Cr (%) | Mo (%) | Sn (%) | V (%) | Nb (%) | Al (%) | CEqvA6 (%) |
| 0.09 | 1.00 | 0.021 | 0.028 | 0.19 | 0.27 | 0.13 | 0.26 | 0.030 | 0.010 | 0.004 | 0.016 | 0.004 | 0.35 |

| MECHANICAL PROPERTIES | | | | | | | |
|-----------------------|-----------|----------|-----------|--------------|--------------|----------|------------|
| YS 0.2% (PSI) | UTS (PSI) | YS (MPa) | UTS (MPa) | Y/T rati (%) | G/L (Inches) | G/L (mm) | Elong. (%) |
| 56040 | 76980 | 386 | 531 | 0.730 | 8.000 | 200.0 | 23.60 |
| 55534 | 76512 | 383 | 528 | 0.730 | 8.000 | 200.0 | 25.10 |

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 Gerdau 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.

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