



Mill Certification

06/09/2023

MTR#:1401892-5
 Lot #:110004636862
 8812 HWY 79 W
 Jewett, TX 75846 US
 903 626-4461
 Fax: 903 626-6290

Sold To: SERVICE STEEL WAREHOUSE CO LP
 PO BOX 9607
 HOUSTON, TX 77213 US

Ship To: SERVICE STEEL WAREHOUSE
 8415 CLINTON DR
 HOUSTON, TX 77213 US

| | | | |
|---------------------------|--|----------------------|-----------------|
| Customer PO | ssw134383 | Sales Order # | 11058343 - 17.2 |
| Product Group | Hot Roll - Merchant Bar Quality | Product # | 3007641 |
| Grade | Nucor Multigrade | Lot # | 110004636862 |
| Size | 3" x 4.1# | Heat # | 1100046368 |
| BOL # | BOL-1450473 | Load # | 1401892 |
| Description | Hot Roll - Merchant Bar Quality Structural Channel 3" x 4.1# Nucor Multigrade 20' 0" [240"] 2001-6000 lbs | Customer Part # | |
| Production Date | 05/03/2023 | Qty Shipped LBS | 4592 |
| Product Country Of Origin | United States | Qty Shipped EA | 56 |
| Original Item Description | | Original Item Number | |

I hereby certify that the material described herein has been manufactured in accordance with the specifications and standards listed above and that it satisfies those requirements.

Melt Country of Origin : United States

Melting Date: 04/20/2023

| C (%) | Mn (%) | P (%) | S (%) | SI (%) | NI (%) | Cr (%) | Mo (%) | Cu (%) | Tl (%) | V (%) | Nb (%) |
|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|
| 0.13 | 0.78 | 0.019 | 0.022 | 0.204 | 0.12 | 0.21 | 0.04 | 0.28 | 0.000 | 0.036 | 0.001 |

Sn (%)
0.011

ASTM A529 S78.2 CE (%) : 0.38

Tensile testing

| | Yield (PSI) | Tensile (PSI) | Elongation in 8" (%) |
|-----|-------------|---------------|----------------------|
| (1) | 54600 | 74000 | 26.0 |
| (2) | 55600 | 74500 | 26.0 |

Comments:

NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-19; A529/529M-05(2009) GR50(345); A572/572M-07 GR50(345); A709/709M-10 GR36(250) & GR50(345); CSA G40.21-04 GR44W(300W)& GR50W(350W); AASHTO M270/M270M-10 GR36(270) & GR50(345); ASME SA36/SA36M-07; MEETS REPORTING REQUIREMENTS OF EN10204 SEC 3.1

- All manufacturing processes of the steel, including melting, casting & hot rolling, have been performed in U.S.A
- Mercury not intentionally added at any point during manufacturing or testing of this material.
- Welding or weld repair was not performed on this material.
- This material conforms to the specifications described on this document and may not be reproduced, except in full, without written approval of Nucor Corporation.
- Results reported ASTM E45 (inclusion content) and ASTM E381 (Macro-etch) are provided as interpretation of ASTM procedures.

Ada Ortega, Quality Assurance