

Customer PO	P0227531-01	Sales Order #	11035872 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	3006943
Grade	Nucor Multigrade	Lot #	110002655762
Size	3" x 2" x 0.25"	Heat #	1100026557
BOL #	BOL-972308	Load #	868668
Description	Hot Roll - Merchant Bar Quality Unequal Angle 3" x 2" x 1/4" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	
Production Date	10/15/2021	Qty Shipped LBS	5166
Product Country Of Origin	United States	Qty Shipped EA	63
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: 08/18/2021

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.12	0.84	0.021	0.022	0.199	0.13	0.17	0.04	0.34	0.001	0.033	0.003

**Sn (%)**

0.013

ASTM A529 S78.2 CE (%) : 0.37

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	54900	72200	23.0
(2)	54900	72000	24.0

**Comments:**

NUCOR MULTIGRADE MEETS THE REQUIREMENTS OF: ASTM A36/A36M-14; 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.



Robert Fortson, Quality Assurance