

Customer PO	4500556016	Sales Order #	11062443 - 5.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	2027161
Grade	Nucor Multigrade	Lot #	110004896360
Size	5" x 3" x 0.3125"	Heat #	1100048963
BOL #	BOL-1511875	Load #	1459792
Description	Hot Roll - Merchant Bar Quality Unequal Angle 5" x 3" x 5/16" Nucor Multigrade 40' 0" [480"] 6001-10000 lbs	Customer Part #	505003001040
Production Date	07/14/2023	Qty Shipped LBS	9840
Product Country Of Origin	United States	Qty Shipped EA	30
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: 07/07/2023

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.13	0.86	0.016	0.016	0.231	0.13	0.24	0.04	0.24	0.001	0.037	0.003

**Sn (%)**

0.009

ASTM A529 S78.2 CE (%) : 0.40

**Tensile testing**

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	56500	73400	23.0
(2)	54500	73700	21.0

**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.

