

Customer PO	44500525636	Sales Order #	11042801 - 3.1
Product Group	Hot Roll - Merchant Bar Quality	Product #	1050921
Grade	Nucor Multigrade	Lot #	110003415563
Size	3" x 3" x 0.5"	Heat #	1100034155
BOL #	BOL-1103195	Load #	1005723
Description	Hot Roll - Merchant Bar Quality Equal Angle 3" x 3" x 1/2" Nucor Multigrade 20' 0" [240"] 2001-6000 lbs	Customer Part #	503003001620
Production Date	04/07/2022	Qty Shipped LBS	15792
Product Country Of Origin	United States	Qty Shipped EA	84
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: 04/01/2022

C (%)	Mn (%)	P (%)	S (%)	Si (%)	Ni (%)	Cr (%)	Mo (%)	Cu (%)	Ti (%)	V (%)	Nb (%)
0.14	0.92	0.015	0.021	0.241	0.12	0.20	0.03	0.33	0.001	0.040	0.002

Sn (%)

0.010

ASTM A529 S78.2 CE (%) : 0.42

Tensile testing

	Yield (PSI)	Tensile (PSI)	Elongation in 8" (%)
(1)	54700	72700	24.0
(2)	54800	72600	23.0

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